



Branch Brook and Naugatuck
River Sediment Investigation
Report
Envirite RCRA Facility

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Acronyms and Abbreviations

| | |
|-----------|---|
| cfs: | cubic feet per second |
| COC: | constituent of concern |
| Envirite: | Envirite Corporation |
| ENVIRON: | ENVIRON International Inc. |
| µm: | micrometer(s) |
| mL: | milliliter(s) |
| PEWM: | Pre-Envirite Waste Material |
| PGDZ: | potential groundwater discharge zone |
| PHERE: | Public Health and Environmental Risk Evaluation |
| QAPP: | Quality Assurance Project Plan |
| QA/QC: | quality assurance/quality control |
| RCRA: | Resource Conservation and Recovery Act |
| RFI: | RCRA Facility Investigation |
| SAP: | Sampling Analysis Plan |
| TOC: | total organic carbon |
| USEPA: | United States Environmental Protection Agency |
| VOA: | volatile organic analysis |
| VOC: | volatile organic compound |
| WPCF: | water pollution control facility |

Executive Summary

Under direction from the United States Environmental Protection Agency (USEPA) and working on behalf of Envirote Corporation (Envirote), ENVIRON International Corporation (ENVIRON) implemented a sediment collection program in Branch Brook and the Naugatuck River adjacent to the former Envirote RCRA facility (Site) in Thomaston, CT in October 2014. The purpose of the study was to assess whether there is any evidence of adverse effects on sediment quality associated with areas of potential groundwater discharge from the Site. Sediment samples were analyzed for volatile organic compounds (VOCs), metals, total organic carbon (TOC), percent solids, and grain size, and surface water samples were analyzed for VOCs. At the time of the investigation, water depth in the middle of the channel of both Branch Brook and the Naugatuck River was seasonally low which is when groundwater effects on sediment quality are expected to be most pronounced (i.e., less dilution upon discharging to the river).

This report documents the following lines of evidence that were evaluated to determine whether there is evidence of detectable effects of groundwater chemicals of concern from the Site in the Naugatuck River and Branch Brook:

- Groundwater monitoring data indicate that groundwater from the Site does not consistently discharge to the Naugatuck River.
- Groundwater elevation contours mapped during 4 gauging events in 2013-2014 suggest that shallow overburden groundwater beneath the landfill appears to be discharging to Branch Brook in a zone south of the landfill adjacent to the Thomaston Water Pollution Control Facility property.
- Conditions in both water bodies in the areas of potential groundwater discharge are not depositional as evident by the relative lack of fine-grained material and low organic carbon content (<1%). Thus, regardless of groundwater discharge in those areas, the habitat is not well suited to benthic organisms.
- With a single exception, VOCs are not detected in sediment and surface water in the areas of potential groundwater discharge. Ethanol was detected in a single sample at a concentration just above reporting limits in the Naugatuck River. However, it was also observed at trace levels (i.e., below reporting limits) in multiple other samples, including reference areas and is therefore not likely to be Site related.
- Metals concentrations in the isolated depositional areas of the potential groundwater discharge zones do not differ significantly from those in sediments just upstream of those zones (i.e., reference areas).
- Qualitative comparison of sediment concentrations from Branch Brook and the Naugatuck River collected in 2014 to sediment data collected from the same areas in 1994 indicate that current concentrations are similar to or less than the metals concentrations from 20 years prior.

Based on these multiple lines of evidence, this report concludes that there is no evidence of detectable effects to sediments and surface water of Branch Brook and the Naugatuck River resulting from contaminated groundwater discharge from the Site.

1 Introduction

On behalf of Envirote Corporation (Envirote), ENVIRON International Corporation (ENVIRON) conducted a sediment and surface water investigation of Branch Brook and the Naugatuck River in the area surrounding the Envirote Resource Conservation and Recovery Act (RCRA) facility (the Site) in Thomaston, Connecticut, in October 2014. The purpose of this investigation was to assess whether there is any evidence of adverse effects on sediment quality in areas where groundwater from the Site may discharge to Branch Brook and the Naugatuck River and whether further evaluation is warranted to understand the likelihood, magnitude or spatial extent of any predicted adverse effects. This report documents and summarizes the results of the investigation.

1.1 Site History

Envirote operated an industrial waste treatment and disposal facility at the Site from 1975 until 1990. Prior to the construction of the Envirote facility in 1975, a site investigation discovered an “oily sludge” material that contained volatile organic compounds (VOCs) located in the subsurface in the northeastern area of the Site. The majority of the oily sludge, termed “Pre-Envirote Waste Material” (PEWM), was reportedly excavated and removed in 1975, and the Envirote facility was subsequently constructed, accepting inorganic liquid waste throughout operation. Liquid waste, primarily consisting acidic, alkaline, and neutral wastes from a variety of industrial clients, was treated and filtered to produce wastewater and residual solids. The wastewater was discharged to the Town of Thomaston’s Water Pollution Control Facility (WPCF) and the non-hazardous residual solids were placed in an on-Site solid waste landfill.

In 1982, consistent with Connecticut’s solid waste and hazardous waste regulations, Envirote submitted a groundwater monitoring program to the Connecticut Department of Environmental Protection, now the Department of Energy and Environmental Protection. The monitoring program was designed to monitor releases from the portion of the landfill which was being managed as a RCRA-regulated hazardous waste unit. In November 1990, in conjunction with the Facility’s RCRA-status, Envirote and the United States Environmental Protection Agency (USEPA) Region I entered into a Consent Agreement issued under Section 3008(h) of RCRA, which required Envirote to evaluate the nature and extent of any releases of hazardous waste or hazardous constituents from the solid waste management units at the facility, including how such releases may affect Branch Brook and Naugatuck River.

In 1995, a RCRA Facility Investigation (RFI) was conducted to characterize the Site and surrounding area (GZA 1995). RFI field investigation activities included geophysical investigations, monitoring well drilling and installation, collection of soil and groundwater for chemical characterization, and aquifer testing. Sediment and surface water samples were also collected from Branch Brook and the Naugatuck River in 1994. The RFI indicated that PEWM remained in two distinct areas beneath the northeastern corner of the Site and beneath the Old Waterbury Road (GZA 1995). After an initial Public Health and Environmental Risk Evaluation (PHERE) was submitted to USEPA in 1997, a revised PHERE was submitted in 2008 to identify the human population and environmental systems that may be exposed to hazardous constituents released from the Site and to assess potential risks to currently exposed populations and potential future populations (ENVIRON 2008).

constituents released from the Site and to assess potential risks to currently exposed populations and potential future populations (ENVIRON 2008).

In 2010, USEPA provided comments regarding the RFI and PHERE and requested additional sampling and analysis of surface water and sediments in the Naugatuck River because concentrations from some constituents in groundwater appeared to have increased since sediment samples were initially collected in the 1990s. In response to USEPA's comments, ENVIRON developed a sediment and surface water investigation plan and submitted to USEPA on October 13, 2013 as the Revised Scope of Work for Supplemental Investigation Activities (ENVIRON 2013a). The proposed sampling methodologies were documented in the Quality Assurance Project Plan and Sampling Analysis Plan (QAPP/SAPP) submitted to USEPA on December 3, 2013 (ENVIRON 2013b). Under the original sediment and surface water investigation scope of work, ENVIRON proposed that sediment sampling locations in Branch Brook and the Naugatuck River take into account the most likely areas of groundwater discharge determined during groundwater and surface water gauging events. Following discussions with USEPA, ENVIRON revised the sediment and surface water investigation plan and submitted a memorandum titled "Revised Scope of Work for Sediment Sampling in Naugatuck River and Branch Brook", dated July 11, 2014 (ENVIRON 2014a). The revised plan was approved by USEPA on September 16, 2014.

Under the approved plan, ENVIRON conducted a sediment and surface water sampling program in October 2014 to assess whether there is any evidence of adverse effects on sediment quality in areas where groundwater from the Site may discharge to the Naugatuck River and Branch Brook and whether further evaluation is warranted.

The ultimate goal of the Site investigations conducted to date is for USEPA to issue a Statement of Basis with CA-400 (final remedy) and CA-550 (Construction Complete) milestones.

1.2 Report Organization

This report presents the results from that sediment and surface water sampling program and is organized as follows:

- Section 2 presents the physical setting, including a Site description, groundwater flow characterization, and a description of Branch Brook and the Naugatuck River.
- Section 3 describes sample collection methods and chemical analyses.
- Section 4 summarizes the results of the sediment and surface water investigation as well as a summary of data validation and usability.
- Section 5 presents the conclusions of the sediment investigation and recommendations moving forward.
- Section 6 lists the references used in support of this report.

2 Physical Setting

This section describes the physical setting of the Site, physical characteristics of Branch Brook and the Naugatuck River, and groundwater flow characteristics.

2.1 Site Description

The Site is located in Litchfield County, Connecticut. The majority of the Site is within the town of Thomaston but the southwest portion is within the town of Watertown (Figure 1). The Site consists of an approximately five-acre solid waste monofill, of which one-acre is designated for hazardous waste although it contains the same material as the rest of the monofill (i.e., non-hazardous waste) (Figure 2). A 12,000-square-foot waste treatment and storage building was located in the center of the Site, which was dismantled in 2008. The monofill forms a horseshoe-shaped ridge around the former building, ranging from 15 to 30 feet above grade and approximately 150 to 200 feet wide. The monofill surface is completely vegetated.

PEWM has been delineated in two areas in the northeastern portion of the Site. One area is below monofill Cell 1 and the second, larger area, is beneath the driveway entering the Site and the Old Waterbury Road (Figure 2). GZA concluded that more than half of the known volume of the PEWM is located off the Site property (GZA 1995).

The land surrounding the Site is primarily industrial. The town of Thomaston's WPCF, a mixed solid waste transfer station, and the Thomaston animal control facility are located immediately south of the Site. Properties to the north, along Old Waterbury Road, contain a number of light industries, including Summit Metals, Eyelets for Industry, and the T.A.D. Corporation. On the opposite (eastern) bank of the Naugatuck River across from the WPCF lies a metal plating operation (Whyco Chromium Company) and residential properties. The land to the west of the Site is mostly part of the Mattatuck State Forest.

The Site is located approximately one-half mile north of the confluence of Branch Brook and the Naugatuck River. Branch Brook flows along the western edge of the Site, and Old Waterbury Road is situated to the east. The Naugatuck River is located immediately east of Old Waterbury Road. The general topography of the area surrounding the Site consists of rolling hills with occasional steep valleys associated with the Naugatuck River and its tributaries (Figure 3). The Site is situated in a valley, and conditions include a bedrock highland that outcrops along the northern end of the Site and a sand and gravel aquifer that thickens from the bedrock outcrops to 60 feet thick in the south and southeast portions of the Site.

2.2 Branch Brook and Naugatuck River Description

Branch Brook and the Naugatuck River run along the western and eastern boundaries of the Site, respectively. In the area surrounding the Site, surface water flow within Branch Brook and the Naugatuck River is from north to south. Discharge varies seasonally.

Branch Brook originates approximately 3 miles upstream of the Site, discharging from the Wigwam Reservoir. The area of Branch Brook characterized in this report is immediately upstream of the confluence with the Naugatuck River and is approximately 400 meters long, 10-20 meters wide, and at the time of the investigation, approximately 0.5-5 feet deep in the middle

of the channel. The nearest flow measurements are from the United States Geologic Survey (USGS) gage located approximately 1 mile upstream of the Site (USGS 01208013).¹ The median flow rate from 1984 through 2014 is approximately 20 cubic feet per second (cfs) with maximum observed flows in excess of 500 cfs.

The area of Naugatuck River characterized in this report is approximately 450 meters long, 10-30 meters wide, and at the time of the investigation, approximately 0.5-4 feet deep in the middle of the channel. The nearest USGS gage in the Naugatuck River is located approximately 2 miles upstream of the Site (USGS 01206900).² The median daily flow rate reported at the USGS gage over the past 53 years ranges from approximately 400 cfs in the spring to approximately 30 cfs in the late summer. The maximum reported flow rates in the Naugatuck River from 2007 through 2014 are in excess of 2,000 cfs.

2.3 Groundwater Flow Characterization

As presented in the *Interim Semi-Annual Post-Closure Monitoring Event Report* (ENVIRON 2014b), the following general observations can be made based on the inferred groundwater flow patterns depicted on the July and October 2013 and February and April 2014 overburden and bedrock groundwater elevation contour plans. (Appendix A):

- In general, the predominant direction of shallow overburden groundwater beneath the landfill is toward the south-southwest.
- Overall, the groundwater elevation contours for all four gauging events suggest that shallow overburden groundwater beneath the landfill appears to be discharging to Branch Brook in a zone south of the landfill adjacent to the WPCF property.
- The reach of the Naugatuck River adjacent to the landfill appeared to be a losing reach (i.e., net movement of water is from the river to the groundwater) during the July and October 2013 and February 2014 gauging events based on the southwesterly direction of groundwater flow in this area. However, the April 2014 overburden contours shows a southeasterly component of flow toward the Naugatuck River beneath the northeast quadrant of the landfill in the vicinity of the PEWM beneath the landfill and the northeast driveway area, suggesting the potential for episodic groundwater discharge to the Naugatuck River in this area (Figure 4).
- In general, shallow overburden groundwater along Branch Brook adjacent to the landfill appears to flow generally parallel with the Brook until south of the landfill where overburden groundwater may be discharging to Branch Brook. The notable exception to this pattern was in October 2013 when the gauging data and associated groundwater surface contours suggest that Branch Brook was a losing reach along the western perimeter of the landfill in this zone during the gauging event.
- With the exception of the July 2013 bedrock groundwater flow patterns, bedrock groundwater appears to flow in a general southwest direction beneath the landfill.

¹ http://waterdata.usgs.gov/nwis/inventory/?site_no=01208013

² http://waterdata.usgs.gov/nwis/uv/?site_no=01206900&agency_cd=USGS

In summary, the results from the July 2013 through April 2014 groundwater and surface water gauging events indicate that shallow overburden groundwater beneath the landfill is discharging to Branch Brook south of the landfill and adjacent to the town of Thomaston's WPCF property. Although the reach of the Naugatuck River adjacent to the landfill appears to be recharging groundwater, results of the April 2014 gauging event suggest a periodic southeasterly component of flow towards the river in the vicinity of the PEWM (Figure 4), indicating that overburden groundwater could be occasionally discharging to the Naugatuck River in this area. Based on these observations, the sediment sampling program was designed to target the areas of potential groundwater discharge, as described in the following section.

3 Sample Collection and Analysis

As stated in the Revised Scope of Work for Sediment Sampling in Naugatuck River and Branch Brook memorandum (ENVIRON 2014a), surface water and sediment samples were collected from upstream areas (reference) and adjacent/downstream areas (potential groundwater discharge zones) in both Branch Brook and the Naugatuck River (Figure 4). The sampling areas were selected based on the results of the July 2013 through April 2014 groundwater and surface water gauging events and in consultation with USEPA. For the purpose of this investigation, a reference sampling area was selected to be a zone most representative of an area not affected by groundwater discharge from the Site, and was used to compare sediment chemical concentrations within PGDZ sampling areas to upstream “background” concentrations.

As described in the QAPP/SAP (ENVIRON 2013b), eight samples were collected in each of the sampling areas within Branch Brook and Naugatuck River. Depositional areas were targeted because they provide the most suitable habitat for benthic invertebrates. As such, they are the most appropriate areas to evaluate for adverse effects to aquatic organisms from groundwater discharging to the river and brook. Sediment samples were analyzed for VOCs, metals, total organic carbon, percent solids, and grain size. Surface water samples were collected in support of the sediment investigation and were co-located to evaluate whether there is any evidence that VOCs are being released to the water column from groundwater or the sediments at these locations.

3.1 Sampling Methodology

Sampling and analyses was conducted as described below. These methodologies are consistent with the QAPP/SAP submitted in December 2013 (ENVIRON 2013b) and the Revised Scope of Work submitted in July 2014 (ENVIRON 2014a):

- Surface water and sediment sampling was conducted on October 14th and 15th, 2014.
- Within Branch Brook, the target reference and potential groundwater discharge zones (PGDZ) sampling areas were similar to those proposed within the July 2014 memorandum to USEPA. Samples taken within the reference area were collected both upstream and downstream of the most upstream Route 8 outfall (Figure 4). The most downstream sample collected within the PGDZ was taken immediately upstream of where water was pooled upstream of a beaver dam (Appendix B/Photo 1, Figure 4). All samples taken from the PGDZ sampling area were collected from the downstream portion of the area due to downed trees and brush making sample collection in the upper part of the area unfeasible. Although this adds some uncertainty regarding the potential impacts to sediment in the immediate upstream portion of the PGDZ, the sediment samples from the remaining portion of the PGDZ should integrate any potential impacts from groundwater discharge and transport within Branch Brook. In other words, if metals are discharged via groundwater to the upstream portions of the PGDZ, they would immediately be transported downstream to where all of the PGDZ sediment samples were collected.
- Within Naugatuck River, the reference and PGDZ sampling areas were similar to those proposed in the July 2014 memorandum to USEPA (ENVIRON 2014a). The most downstream sample collected from the Naugatuck River was within the PGDZ sampling

area and was located 50 feet upstream of the most upstream WPCF outfall (Figure 4). At the time of the sampling event (October 2014), water level in the Naugatuck River was very low, such that the west bank extended in to the middle of the channel at several locations along the river (e.g., Appendix B/Photos 26, 27). Much of the area shaded as the PGDZ in the Naugatuck River in Figure 4 was above the water line. Because of the very low water level and the goal of targeting depositional areas that provide suitable benthic invertebrate habitat, samples from within the PGDZ were collected from anywhere suitable fine-grained sediment was found in the channel (below the water-line). The low water levels provide a conservative basis for evaluating potential groundwater impacts on sediment because dilution upon entering the river would be the lowest when flows are low.

- As described in the QAPP/SAP, samples were collected from eight locations in each of the sampling areas within Branch Brook (Figure 4, Table 1). Within the Naugatuck River, seven samples were collected from the PGDZ sampling area and nine samples were collected from the reference area. Sample NR-DS-08 was collected in line with the northern Envirite property boundary. However, this sample location is within the zone most representative of areas in the Naugatuck River not affected by groundwater discharge from the Site and therefore is considered a reference area sample (Figure 4, Table 1) rather than a PGDZ sample.
- As referenced above, surface water sample locations were co-located with sediment sample locations. Once depositional areas were identified, the overlying surface water sample designated for VOC analysis was collected by using a plastic sampling syringe to collect 50 mL of surface water from just above the sediment-water interface. Following the collection of the surface water sample, surface sediment was collected using a direct push sampler (Appendix B, Photo 7). The direct push sampler was lowered through the water and penetrated into the sediment until refusal. Fitted rubber caps were placed on either end of the sampler, and the sampler was brought to the surface for processing. The top fitted cap was removed, and water overlying the sample was carefully decanted in order to avoid disturbing the sediment sample. The bottom fitted cap was then removed and approximately 3 grams of sediment were transferred to a VOA vial for VOC analysis. Sufficient sediment weight for analytical requirements was achieved by displacing the 3 mL of solvent (1 mL methanol, 2 mL distilled water) included in the prepared VOA vial. The remaining sediment was placed in an aluminum tray, photographed, homogenized, and transferred to labeled jars for metals analysis using plastic spoons.

3.2 Sample Analysis

The overlying surface water samples were submitted to Spectrum Analytical, Inc. (Spectrum) of Agawam, Massachusetts for the following chemical analysis (Table 1):

- VOCs: (USEPA Method SW846 8260C)

The sediment samples were submitted to Spectrum for the following chemical analyses (Table 1):

- VOCs: (USEPA Method SW846 8260C)

- Total Metals: arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, nickel, sodium, and zinc (USEPA Method SW846 6010C)
- General Chemistry: TOC (SM 2540G modified), percent solids (Lloyd Kahn)
- Grain Size: (ASTM D422)

Sample chain-of-custody forms documenting names of sampling personnel, date and time of collection, requested laboratory analysis, sample containers and preservatives, and analytical reporting requirements are included in Appendix C.

4 Investigation Results

This section summarizes the results of the sampling program including summary statistics (frequency of detection, and minimum, maximum, and central tendency values³) for chemistry and physical (grain size) analysis as well as observations regarding locations of depositional areas in the vicinity of the Site. Additionally, historical metals data (1994), as summarized in the 1995 RFI (GZA 1995), are compared to October 2014 Branch Brook and Naugatuck River analytical results. Laboratory data packages, including chemical and physical analysis results, are included in Appendix D. Appendix E presents the complete database developed from the October 2014 surface water and sediment sampling program.

4.1 Branch Brook

Surface water and sediment samples were collected from reference and PGDZ areas within Branch Brook in order to evaluate if chemical concentrations are greater in the PGDZ compared to the reference area, and therefore potentially affected by groundwater discharge from the Site.

4.1.1 Surface Water

Surface water samples collected from Branch Brook were analyzed for 77 VOCs (Table 2). **VOCs were not detected above detection limits in surface water samples collected from either the reference or the PGDZ sampling areas in October 2014⁴.** Because VOCs were not detected in surface water samples from Branch Brook, statistical comparisons were not made between reference and PGDZ areas. These results are consistent with the surface water VOC samples collected during the post-closure monitoring events in December 2013, April 2014, and October 2014 (ENVIRON 2014b, 2014c, 2015) where no VOCs were detected in surface water.

4.1.2 Sediment

Sediment samples collected from Branch Brook were analyzed for 77 VOCs and 11 metals (Table 3). **VOCs were not detected in sediment samples collected from Branch Brook in October 2014**, and therefore, statistical comparisons were not made for VOC sediment concentrations between reference and PGDZ sampling areas.

Nine metals were detected in both reference and PGDZ sediment samples collected from Branch Brook (arsenic and cadmium were not detected at either sampling area) (Table 3). Figures 5a-k present box plots for Branch Brook sediment results. The line within the box represents the median (or 50th percentile) value and the lower and upper box boundaries represent the 25th and 75th percentile, respectively. Individual data points are also graphed to show distribution of individual samples. Statistical comparisons were made using SigmaPlot (v12) for detected metals using central tendency values⁵ to evaluate if metals concentrations differed between the PGDZ and the reference area (Table 4). **Statistical results indicate that**

³ Duplicate sample results were averaged with parent sample results.

⁴ Analytical detection limits are below available published surface water protection criteria (e.g., Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (RSRs) (CT DEEP 2013), Buchman 2008, USEPA Region 3 BTAG screening benchmarks (USEPA 1995)).

⁵ If data was normally distributed, a one-tailed t-test was performed on the average value. If normality test failed, a Mann-Whitney test was performed on the median value.

metals concentrations in the PGDZ sampling area are not significantly greater than the metals concentrations in the reference area of Branch Brook. The average concentration of one metal (manganese) is significantly greater in the Branch Brook reference area than the PGDZ ($p=0.018$), likely reflecting a localized area of elevated but naturally occurring manganese.⁶

A qualitative comparison of 2014 and 1994 metals data collected from Branch Brook was conducted in order to evaluate if perceived increases of some constituent concentrations in groundwater since the 1990s translate to higher concentrations in sediment in 2014. Sediment samples in 1994 were not analyzed for iron, manganese, or sodium, but direct comparisons can be made for the remaining nine metals. **Table 5 shows that maximum and average concentrations of metals in Branch Brook sediment in 2014 are similar to, or lower, than sediment concentrations from 1994.**

4.1.3 Physical Parameters

At the time of the investigation, water depth in the middle of the channel of Branch Brook varied from approximately 2 feet to 5 feet in the PGDZ sampling area and approximately 0.5 feet to 4 feet in the reference sampling area. Overall substrate was similar in organic carbon content between the reference and PGDZ sampling areas, with similarly low levels of organic carbon in sediment from both reaches ($<0.2\%$, Figure 5I). The few observed depositional areas on either side of the channel typically occurred behind large woody debris or small backwater areas.

Grain size was also similar between sampling areas, with the majority of sediment falling into larger grain size categories (Table 6, Figure 6). On average, sediment from both the PGDZ and reference areas in Branch Brook were mostly comprised of medium to very coarse sand (250 – 2,000 micrometer [μm]). Even though sample collection targeted depositional areas, fine sands, silt, and clay (indicators of depositional environments), made up a relatively small percentage of the substrate in both reaches of Branch Brook (Figure 6). Pictures of individual sample composition are included in Appendix B.

4.2 Naugatuck River

Surface water and sediment samples were collected from reference and PGDZ sampling areas within the Naugatuck River to evaluate if chemical concentrations are greater in the PGDZ compared to the reference area, and therefore potentially affected by groundwater discharge from the Site.

4.2.1 Surface Water

Surface water samples collected from the Naugatuck River were analyzed for 77 VOCs (Table 2). **VOCs were not detected in surface water samples collected from either the reference or the PGDZ sampling areas in October 2014.**⁷ Because VOCs were not detected in any surface water samples from the Naugatuck River, statistical comparisons were not made

⁶ The maximum detected manganese value from the reference area was well below the published effects-based screening level.

⁷ Analytical detection limits are below available published surface water protection criteria (e.g., Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (RSRs) (CT DEEP 2013), Buchman 2008, USEPA Region 3 BTAG screening benchmarks (USEPA 1995)).

between reference and PGDZ areas. These results are consistent with the surface water VOC samples collected during the annual post-closure monitoring event conducted in December 2013 (ENVIRON 2014b) where no VOCs were detected in surface water.

4.2.2 Sediment

Sediment samples collected from the Naugatuck River were analyzed for 77 VOCs and 11 metals (Table 3). **VOCs were not detected in any sediment sample collected from the Naugatuck River in October 2014 with one exception.** Ethanol was detected at just above detection limits in a single duplicate sediment sample collected from the PGDZ area (location NR-DS-03; Appendix E). Ethanol was not detected in the parent sample from this location or any other sediment or surface water sample or in any surface water or groundwater sample during previous post-closure environmental monitoring events (December 2013, April 2014, October 2014) (ENVIRON 2014b, 2014c, 2015) at concentrations above laboratory reporting limits. Upon closer evaluation of the raw analytical data (Appendix G), the analytical laboratory concluded that ethanol was present at trace levels, but below the reported detection limit, in multiple sediment samples including some from the reference areas⁸. Combined with the fact that ethanol is not a Site constituent of concern (COC), this evidence suggests that the single ethanol detect is not likely to be Site-related. Because no other VOCs were detected in sediment collected from the Naugatuck River, statistical comparisons were not made between reference and PGDZ areas.

Ten of the 11 metals were detected in Naugatuck sediment (arsenic was not detected in either the reference or PGDZ sampling areas) (Table 3). Figures 5a–5k present box plots for Branch Brook sediment results. The same statistical methods used to evaluate Branch Brook sediment concentrations were used for the Naugatuck River samples (Table 4). **The statistical analyses demonstrate that metals concentrations in the PGDZ sampling area are not significantly greater than sediment metals concentrations in the reference area.** The average concentration of one detected metal (lead) is significantly greater in the Naugatuck River reference area than the PGDZ ($p=0.017$).⁹

As described in Section 4.1.2, a qualitative comparison of 2014 and 1994 metals data collected from the Naugatuck River was conducted in order to evaluate if perceived increases of some constituent concentrations in groundwater since the 1990s translate to higher concentrations in sediment in 2014. Sediment samples in 1994 were not analyzed for iron, manganese, or sodium, but direct comparison can be made for the remaining nine metals. **Table 5 shows that maximum and average concentrations of metals in Branch Brook sediment in 2014 are similar to or lower than sediment concentrations from 1994.**

4.2.3 Physical Parameters

At the time of the investigation, water depth in the middle of the channel of Naugatuck River varied from approximately 0.5 feet to 4 feet in both the PGDZ and reference sampling areas. In shallow water areas, riverbanks extended to the middle of the channel and river bottom

⁸ Trace levels of ethanol were identified in sediment from 12 additional locations, 8 of which were from upstream reference areas (BB-US-01, BB-US-07, BB-US-08, NR-US-01, NR-US-05, NR-US-06, NR-US-08, and NR-DS-08).

⁹ The maximum detected lead value from the reference area was well below the published effects-based screening level.

substrate was exposed. The organic content in sediments from both sampling areas were relatively low (<1%) which is consistent with type of substrate found in both areas (Table 3, Figure 5I).

Depositional areas with fine-grained sediment were scarcely observed in the PGDZ sampling area. The majority of PGDZ sediment was coarse sand or larger (>425 µm) with half of the material classified as either coarse or very coarse sand (Table 6). A few depositional areas were observed in the Naugatuck River reference sampling area, as indicated by the greater composition of fine sands in samples collected from that reach (Figure 6). This is consistent with the slightly higher TOC content observed the sediment from the reference areas (Figure 5I). The depositional zones were typically located along the banks of the river behind large woody debris. Pictures of individual sample composition are included in Appendix B.

4.3 Data Validation and Usability

ENVIRON assessed the validity and usability of laboratory analytical data generated from samples collected during the sampling event at the Site and prepared a data validation report (Appendix F). The data validation provides a quantitative and qualitative assessment of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall usability of the data. The analytical data were evaluated for quality assurance and quality control (QA/QC) based on the following documents:

- Quality Assurance Project Plan/Sampling Analysis Plan for the Envirite RCRA Facility, Old Waterbury Road, Thomaston, Connecticut (ENVIRON 2013b)
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA 2008)
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, (USEPA 2010)

Per the December 2013 QAPP/SAP, a USEPA Tier I data validation was performed on all laboratory data. The QAPP/SAP indicated that a minimum of 10% of the data would undergo USEPA Tier II data validation. Data package SDG SB98028 (sediment and surface water chemical and physical analysis for Branch Brook PGDZ) was selected for Tier II analysis to meet validation requirements.

The data validation report concluded that the data are usable for its intended purpose based on an evaluation of the QC parameters, and no qualification of data was required. The data validator also assessed the precision and accuracy of the data (Appendix D, Attachment A) and concluded that no additional qualification of the data was required.

5 Summary and Conclusions

In October 2014, ENVIRON collected sediment and surface water samples from reference and PGDZ areas within Branch Brook and the Naugatuck River in order to assess whether there is any evidence of adverse effects on sediment quality associated with areas of potential groundwater discharge from the Site. Sediment samples were analyzed for VOCs, metals, TOC, percent solids, and grain size, and surface water samples were analyzed for VOCs. At the time of the investigation, water depth in the middle of the channel of both Branch Brook and the Naugatuck River was seasonally low which is when groundwater effects on sediment quality are expected to be most pronounced (i.e., less dilution upon discharging to the river).

Overall, the following lines of evidence support the conclusion that groundwater COCs from the Site are not detectable in surface water or sediment of the Naugatuck River and Branch Brook:

- Groundwater monitoring data indicate that groundwater from the Site does not consistently discharge to the Naugatuck River.
- Overall, the groundwater elevation contours for 2013-2014 groundwater gauging events suggest that shallow overburden groundwater beneath the landfill appears to be discharging to Branch Brook in a zone south of the landfill adjacent to the WPCF property.
- Conditions in both water bodies in the areas of potential groundwater discharge are not depositional as evident by the relative lack of fine-grained material and low organic carbon content (<1%). Thus, regardless of groundwater discharge in those areas, the habitat is not well suited to benthic organisms.
- With a single exception, VOCs are not detected in sediment and surface water samples from the areas of potential groundwater discharge. Ethanol was detected in a single sample at a concentration just above laboratory reporting limits in the Naugatuck River. However, it was also detected at trace levels (i.e., below reporting limits) at multiple other samples, including reference areas. Combined with the fact that ethanol is not a Site COC, this evidence suggests that the single ethanol detect is not likely to be Site-related.
- Metals concentrations in the isolated depositional areas of the PGDZs do not differ significantly from those in sediments just upstream of those zones (i.e., reference areas).
- Qualitative comparison of sediment concentrations from Branch Brook and the Naugatuck River collected in 2014 to sediment data collected from the same areas in 1994 indicate that current concentrations are similar to or less than the metals concentrations from 20 years prior.

For these reasons, we conclude that there is no evidence of detectable effects of contaminated groundwater discharge to sediments and surface water of Branch Brook and the Naugatuck River. In addition, we conclude that because there is no evidence of increases in sediment metals concentrations adjacent to the Site since 1994, the environmental risk evaluation of sediments conducted as part of the RFI is protective of current conditions and does not warrant updating. No further evaluation of Branch Brook or Naugatuck River in conjunction with the final closure of the Site is necessary.

6 References

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Tables

Table 1. Sample Collection Summary

| Waterbody | Reach | Matrix | Number of Samples | Chemical Analysis | Analytical Method | Preparation Method |
|-----------------|-----------------------------|---------------|-------------------|--|---|--|
| Branch Brook | Potential GW Discharge Zone | Surface Water | 8 | VOC | SW846 8260C | SW846 5030 Water MS |
| | | Sediment | 8 | VOC Total Metals TOC Percent Solids Grain Size | SW846 8260C USEPA 6000/7000 Series Methods SM 2540G modified Lloyd Kahn ASTM D422 | SW846 5035A Soil (low level) NA NA NA NA |
| | Upstream | Surface Water | 8 | VOC | SW846 8260C | SW846 5030 Water MS |
| | | Sediment | 8 | VOC Total Metals TOC Percent Solids Grain Size | SW846 8260C USEPA 6000/7000 Series Methods SM 2540G modified Lloyd Kahn ASTM D422 | SW846 5035A Soil (low level) NA NA NA NA |
| | Potential GW Discharge Zone | Surface Water | 7 | VOC | SW846 8260C | SW846 5030 Water MS |
| | | Sediment | 7 | VOC Total Metals TOC Percent Solids Grain Size | SW846 8260C USEPA 6000/7000 Series Methods SM 2540G modified Lloyd Kahn ASTM D422 | SW846 5035A Soil (low level) NA NA NA NA |
| Naugatuck River | Upstream | Surface Water | 9 | VOC | SW846 8260 | SW846 5030 Water MS |
| | | Sediment | 9 | VOC Total Metals TOC Percent Solids Grain Size | SW846 8260 USEPA 6000/7000 Series Methods SM 2540G modified Lloyd Kahn ASTM D422 | SW846 5035A Soil (low level) NA NA NA NA |

Notes:

ASTM: American Society for Testing and Materials
 GW: groundwater
 MS: mass spectroscopy
 NA: not applicable
 SM: standard method
 TOC: total organic carbon
 USEPA: United States Environmental Protection Agency
 VOC: volatile organic compounds

Table 2. Surface Water Summary Results - VOCs

| Chemical Name | Branch Brook - Potential GW Discharge Zone | | | | Branch Brook - Upstream (Reference) | | | | Naugatuck River - Potential GW Discharge Zone | | | | Naugatuck River - Upstream (Reference) | | | |
|---------------------------------------|---|-----|-----|---------|--|-----|-----|---------|--|-----|-----|---------|---|-----|-----|---------|
| | FoD | Min | Max | Average | FoD | Min | Max | Average | FoD | Min | Max | Average | FoD | Min | Max | Average |
| 1,1,1,2-Tetrachloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,1,1-Trichloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,1,2,2-Tetrachloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,1,2-Trichloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,1-Dichloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,1-Dichloroethene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,1-Dichloropropene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,2,3-Trichlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,2,3-Trichloropropane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,2,4-Trichlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,2,4-Trimethylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,2-Dibromo-3-chloropropane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,2-Dibromoethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,2-Dichlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,2-Dichloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,2-Dichloropropane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,3,5-Trichlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,3,5-Trimethylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,3-Dichlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,3-Dichloropropane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,4-Dichlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 1,4-Dioxane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 2,2-Dichloropropane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 2-Butanone | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 2-Chlorotoluene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 2-Hexanone | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 4-Chlorotoluene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 4-Isopropyltoluene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| 4-Methyl-2-pentanone | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Acetone | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Acrylonitrile | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Benzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Bromobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Bromochloromethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Bromodichloromethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Bromoform | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Bromomethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Carbon disulfide | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Carbon tetrachloride | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Chlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Chloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Chloroform | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |

Table 2. Surface Water Summary Results - VOCs

| Chemical Name | Branch Brook - Potential GW Discharge Zone | | | | Branch Brook - Upstream (Reference) | | | | Naugatuck River - Potential GW Discharge Zone | | | | Naugatuck River - Upstream (Reference) | | | |
|-----------------------------|---|-----|-----|---------|--|-----|-----|---------|--|-----|-----|---------|---|-----|-----|---------|
| | FoD | Min | Max | Average | FoD | Min | Max | Average | FoD | Min | Max | Average | FoD | Min | Max | Average |
| Chloromethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| cis-1,2-Dichloroethene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| cis-1,3-Dichloropropene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Dibromochloromethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Dibromomethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Dichlorodifluoromethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Diethyl ether | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Ethanol | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Ethyl tertiary-butyl ether | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Ethylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Hexachlorobutadiene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Isopropylether | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Isopropylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Methyl tert-butyl ether | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Methylene chloride | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Naphthalene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| n-Butylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| n-Propylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| o-Xylene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| sec-Butylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Styrene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Tert-Butyl alcohol | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| tert-Butylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Tertiary-amyl methyl ether | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Tetrachloroethene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Tetrahydrofuran | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Toluene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| trans-1,2-Dichloroethene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| trans-1,3-Dichloropropene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| trans-1,4-Dichloro-2-butene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Trichloroethene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Trichlorofluoromethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Vinyl chloride | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |
| Xylene, M&P- | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND |

Notes:

FoD: frequency of detection

GW: groundwater

Max: maximum concentration

Min: minimum concentration

ND: not detected above reporting limits

VOCs: volatile organic compounds

Table 3. Sediment Summary Results - Metals and VOCs^a

| Type | Chemical Name ^b | Branch Brook - Potential GW Discharge Zone | | | | Branch Brook - Upstream (Reference) | | | | Naugatuck River - Potential GW Discharge Zone | | | | Naugatuck River - Upstream (Reference) | | | |
|--------|---------------------------------------|--|------|------|---------|-------------------------------------|------|-------|---------|---|------|-------|---------|--|------|-------|---------|
| | | FoD | Min | Max | Average | FoD | Min | Max | Average | FoD | Min | Max | Average | FoD | Min | Max | Average |
| Metals | Arsenic | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| Metals | Barium | 8 / 8 | 23 | 33 | 29 | 8 / 8 | 18 | 35 | 25 | 7 / 7 | 13 | 30 | 21 | 9 / 9 | 19 | 48 | 27 |
| Metals | Cadmium | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 1 / 7 | 0.27 | 0.49 | 0.33 | 0 / 9 | ND | ND | ND |
| Metals | Chromium | 8 / 8 | 6.2 | 9.0 | 7.9 | 8 / 8 | 5.0 | 12 | 8.5 | 7 / 7 | 6.0 | 69 | 17 | 9 / 9 | 9.3 | 19 | 13 |
| Metals | Copper | 8 / 8 | 6.1 | 9.6 | 8.2 | 8 / 8 | 6.8 | 20 | 10 | 7 / 7 | 12 | 41 | 21 | 9 / 9 | 17 | 53 | 25 |
| Metals | Iron | 8 / 8 | 7790 | 9670 | 8923 | 8 / 8 | 6820 | 14500 | 9458 | 7 / 7 | 4955 | 14500 | 8026 | 9 / 9 | 5860 | 10500 | 7592 |
| Metals | Lead | 8 / 8 | 2.8 | 6.6 | 4.5 | 8 / 8 | 4.0 | 8.6 | 5.6 | 7 / 7 | 5.2 | 10 | 7.6 | 9 / 9 | 6.1 | 18 | 11 |
| Metals | Manganese | 8 / 8 | 94 | 239 | 170 | 8 / 8 | 130 | 419 | 256 | 7 / 7 | 99 | 465 | 206 | 9 / 9 | 82 | 236 | 149 |
| Metals | Nickel | 8 / 8 | 7.7 | 10 | 9.2 | 8 / 8 | 7.7 | 12 | 9.2 | 7 / 7 | 5.7 | 12 | 8.0 | 9 / 9 | 6.1 | 13 | 8.2 |
| Metals | Sodium | 8 / 8 | 65 | 88 | 77 | 8 / 8 | 44 | 150 | 81 | 7 / 7 | 55 | 106 | 68 | 9 / 9 | 55 | 129 | 85 |
| Metals | Zinc | 8 / 8 | 24 | 35 | 31 | 8 / 8 | 23 | 55 | 34 | 7 / 7 | 35 | 61 | 52 | 9 / 9 | 42 | 135 | 66 |
| VOCs | 1,1,1,2-Tetrachloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,1,1-Trichloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,1,2,2-Tetrachloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,1,2-Trichloro-1,2,2-trifluoroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,1,2-Trichloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,1-Dichloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,1-Dichloroethene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,1-Dichloropropene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,2,3-Trichlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,2,3-Trichloropropane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,2,4-Trichlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,2,4-Trimethylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,2-Dibromo-3-chloropropane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,2-Dibromoethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,2-Dichlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,2-Dichloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,2-Dichloropropane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,3,5-Trichlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,3,5-Trimethylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,3-Dichlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,3-Dichloropropane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,4-Dichlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 1,4-Dioxane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 2,2-Dichloropropane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 2-Butanone | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 2-Chlorotoluene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 2-Hexanone | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 4-Chlorotoluene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 4-Isopropyltoluene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | 4-Methyl-2-pentanone | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Acetone | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Acrylonitrile | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Benzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Bromobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Bromochloromethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Bromodichloromethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Bromoform | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Bromomethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Carbon disulfide | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Carbon tetrachloride | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Chlorobenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Chloroethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Chloroform | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |

Table 3. Sediment Summary Results - Metals and VOCs^a

| Type | Chemical Name ^b | Branch Brook - Potential GW Discharge Zone | | | | Branch Brook - Upstream (Reference) | | | | Naugatuck River - Potential GW Discharge Zone | | | | Naugatuck River - Upstream (Reference) | | | |
|--------------|-----------------------------|--|-----|------|---------|-------------------------------------|-----|------|---------|---|------|------|---------|--|-----|------|---------|
| | | FoD | Min | Max | Average | FoD | Min | Max | Average | FoD | Min | Max | Average | FoD | Min | Max | Average |
| VOCs | Chloromethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | cis-1,2-Dichloroethene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | cis-1,3-Dichloropropene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Dibromochloromethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Dibromomethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Dichlorodifluoromethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Diethyl ether | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Ethanol | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 1 / 7 | 0.66 | 1.5 | 0.97 | 0 / 9 | ND | ND | ND |
| VOCs | Ethyl tertiary-butyl ether | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Ethylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Hexachlorobutadiene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Isopropylether | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Isopropylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Methyl tert-butyl ether | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Methylene chloride | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Naphthalene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | n-Butylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | n-Propylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | o-Xylene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | sec-Butylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Styrene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Tert-Butyl alcohol | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | tert-Butylbenzene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Tertiary-amyl methyl ether | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Tetrachloroethene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Tetrahydrofuran | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Toluene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | trans-1,2-Dichloroethene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | trans-1,3-Dichloropropene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | trans-1,4-Dichloro-2-butene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Trichloroethene | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Trichlorofluoromethane | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Vinyl chloride | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| VOCs | Xylene, M&P- | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| TOC | Total Organic Carbon | 8 / 8 | 498 | 1849 | 1129 | 8 / 8 | 473 | 3370 | 1442 | 7 / 7 | 296 | 8230 | 1684 | 9 / 9 | 260 | 6960 | 2920 |
| Total Solids | Percent Solids ^c | 8 / 8 | 66 | 76 | 71 | 8 / 8 | 63 | 81 | 72 | 7 / 7 | 71 | 82 | 76 | 9 / 9 | 65 | 77 | 72 |

Notes:

a. Minimum, Maximum, and Average concentrations calculated using ND = 1/2 RL. Not reported where the chemical is not detected in any sample

b. All concentrations are mg/kg, except Percent Solids (%)

c. Percent Solids reported for metals sample

%: percent

FoD: frequency of detection

GW: groundwater

Max: maximum concentration

mg/kg: milligrams per kilogram

Min: minimum concentration

NA: not applicable

ND: not detected above reporting limits

RL: reporting limit

VOCs: volatile organic compounds

Table 4. Central Tendency Values and Statistical Comparison for Metals and TOC in Branch Brook and Naugatuck River

| Type ^a | Chemical Name ^c | Branch Brook | | | Naugatuck River | | |
|-------------------|----------------------------|---|--|--|---|--|--|
| | | Upstream (Reference) Central Tendency Concentration ^b | Potential GW Discharge Zone Central Tendency Concentration ^b | Statistical Result (upstream vs potential GW discharge zone) | Upstream (Reference) Central Tendency Concentration ^b | Potential GW Discharge Zone Central Tendency Concentration ^b | Statistical Result (upstream vs potential GW discharge zone) |
| Metals | Arsenic | ND | ND | NA | ND | ND | NA |
| Metals | Barium | 25 | 29 | p=0.094 ^d | 27 | 21 | p=0.086 ^d |
| Metals | Cadmium | ND | ND | NA | 0.33 | 0.30 | p=0.56 ^e |
| Metals | Chromium | 8.5 | 7.9 | p=0.23 ^d | 11 | 8.9 | p=0.090 ^e |
| Metals | Copper | 9.4 | 8.8 | p=0.33 ^e | 21 | 18 | p=0.37 ^e |
| Metals | Iron | 8,995 | 9,018 | p=0.96 ^e | 7592 | 8026 | p=0.36 ^d |
| Metals | Lead | 4.8 | 4.1 | p=0.33 ^e | 11 | 7.6 | p=0.017^d |
| Metals | Manganese | 256 | 170 | p=0.018^d | 140 | 171 | p=0.40 ^e |
| Metals | Nickel | 9.2 | 9.2 | p=0.50 ^d | 8.2 | 8.0 | p=0.41 ^d |
| Metals | Sodium | 81 | 79 | p=0.65 ^e | 83 | 61 | p=0.11 ^e |
| Metals | Zinc | 34 | 31 | p=0.27 ^d | 55 | 55 | p=0.46 ^e |
| Organics | TOC (%) | 0.14% | 0.11% | p=0.21 ^d | 0.29% | 0.06% | p=0.24 ^e |

Notes:

a. All metals were detected in sediment at least once, except arsenic (arsenic was not detected in either Branch Brook or Naugatuck River).

b. Central tendency values (either average or median) presented depending on statistical test performed^{d,e}

c. All concentrations are in milligrams per kilogram (mg/kg).

d. Normality test passed, one-tailed t-test performed on average value

e. Normality test failed, Mann-Whitney test performed on median value

GW: groundwater

NA: not analyzed (statistical tests only conducted for detected chemicals)

ND: not detected above reporting limit

TOC: total organic carbon

Bold indicates a significant difference at p<0.05

Table 5. Comparison of Sediment Metals Data (1994 versus 2014)

| Chemical Name ^a | Year | Branch Brook - Potential GW Discharge Zone | | | | Branch Brook - Upstream (Reference) | | | | Naugatuck River - Potential GW Discharge Zone | | | | Naugatuck River - Upstream (Reference) | | | |
|----------------------------|------|--|-----|-----|----------------------|-------------------------------------|-----|-----|----------------------|---|------|------|----------------------|--|-----|-----|----------------------|
| | | FoD | Min | Max | Average ^b | FoD | Min | Max | Average ^b | FoD | Min | Max | Average ^b | FoD | Min | Max | Average ^b |
| Arsenic | 1994 | 1 / 9 | 1.0 | 1.0 | 0.6 | 0 / 2 | ND | ND | ND | 1 / 5 | 0.43 | 0.43 | 0.49 | 0 / 4 | ND | ND | ND |
| | 2014 | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 0 / 7 | ND | ND | ND | 0 / 9 | ND | ND | ND |
| Barium | 1994 | 9 / 9 | 18 | 38 | 25 | 2 / 2 | 29 | 400 | 215 | 5 / 5 | 23 | 38 | 32 | 4 / 4 | 24 | 41 | 31 |
| | 2014 | 8 / 8 | 23 | 33 | 29 | 8 / 8 | 18 | 35 | 25 | 7 / 7 | 13 | 30 | 21 | 9 / 9 | 19 | 48 | 27 |
| Cadmium | 1994 | 0 / 9 | ND | ND | ND | 0 / 2 | ND | ND | ND | 4 / 5 | 0.22 | 1.1 | 0.50 | 1 / 4 | 1.1 | 1.1 | 0.35 |
| | 2014 | 0 / 8 | ND | ND | ND | 0 / 8 | ND | ND | ND | 1 / 7 | 0.27 | 0.49 | 0.33 | 0 / 9 | ND | ND | ND |
| Chromium | 1994 | 9 / 9 | 5.0 | 16 | 8.7 | 2 / 2 | 8.8 | 13 | 11 | 5 / 5 | 12 | 78 | 32 | 4 / 4 | 12 | 25 | 16 |
| | 2014 | 8 / 8 | 6.2 | 9.0 | 7.9 | 8 / 8 | 5.0 | 12 | 8.5 | 7 / 7 | 6.0 | 69 | 17 | 9 / 9 | 9.3 | 19 | 13 |
| Copper | 1994 | 9 / 9 | 8.0 | 17 | 12 | 2 / 2 | 6.6 | 12 | 9 | 5 / 5 | 34 | 101 | 71 | 4 / 4 | 28 | 92 | 47 |
| | 2014 | 8 / 8 | 6.1 | 9.6 | 8.2 | 8 / 8 | 6.8 | 20 | 10 | 7 / 7 | 12 | 41 | 21 | 9 / 9 | 17 | 53 | 25 |
| Lead | 1994 | 7 / 9 | 1.2 | 9.8 | 4.4 | 2 / 2 | 1.6 | 410 | 206 | 5 / 5 | 11 | 21 | 18 | 4 / 4 | 7.2 | 29 | 16 |
| | 2014 | 8 / 8 | 2.8 | 6.6 | 4.5 | 8 / 8 | 4.0 | 8.6 | 5.6 | 7 / 7 | 5.2 | 10 | 7.6 | 9 / 9 | 6.1 | 18 | 11 |
| Nickel | 1994 | 9 / 9 | 7.8 | 13 | 10 | 1 / 2 | 12 | 12 | 6.2 | 5 / 5 | 7.8 | 22 | 13 | 4 / 4 | 7.0 | 13 | 9.0 |
| | 2014 | 8 / 8 | 7.7 | 10 | 9.2 | 8 / 8 | 7.7 | 12 | 9.2 | 7 / 7 | 5.7 | 12 | 8.0 | 9 / 9 | 6.1 | 13 | 8.2 |
| Zinc | 1994 | 9 / 9 | 17 | 44 | 28 | 2 / 2 | 22 | 170 | 96 | 5 / 5 | 80 | 140 | 106 | 4 / 4 | 62 | 170 | 95 |
| | 2014 | 8 / 8 | 24 | 35 | 31 | 8 / 8 | 23 | 55 | 34 | 7 / 7 | 35 | 61 | 52 | 9 / 9 | 42 | 135 | 66 |

Notes:

a. All concentrations are in milligrams per kilogram (mg/kg).

b. 2014 average concentrations calculating using ND = 1/2 RL, 1995 RCRA Facility Investigation I (1994 average) states that "mean values were calculated using 1/2 the quantitation limit for non-detects."

FoD: frequency of detection

NA: not analyzed

ND: not detected above reporting limit

Table 6. Sediment Physical Parameters

| Chemical Name | Branch Brook - Potential GW Discharge Zone | | | | Branch Brook - Upstream (Reference) | | | | Naugatuck River - Potential GW Discharge Zone | | | | Naugatuck River - Upstream (Reference) | | | |
|---|--|------|-----|---------|-------------------------------------|------|-----|---------|---|------|-----|---------|--|------|-----|---------|
| | n | Min | Max | Average | n | Min | Max | Average | n | Min | Max | Average | n | Min | Max | Average |
| Fractional % Sieve #4 (>4750µm): pebble | 8 | 0.41 | 36 | 11 | 8 | 0.20 | 36 | 19 | 7 | 0.25 | 27 | 12 | 9 | 0 | 29 | 3.6 |
| Fractional % Sieve #10 (4750-2000µm): granule | 8 | 1.2 | 14 | 6.0 | 8 | 0.70 | 38 | 13 | 7 | 2.1 | 43 | 14 | 9 | 0.10 | 9.2 | 2.7 |
| Fractional % Sieve #20 (2000-850µm): very coarse sand | 8 | 2.0 | 22 | 12 | 8 | 6.0 | 36 | 17 | 7 | 15 | 33 | 25 | 9 | 0.10 | 49 | 14 |
| Fractional % Sieve #40 (850-425µm): coarse sand | 8 | 17 | 34 | 25 | 8 | 8.1 | 49 | 26 | 7 | 8.1 | 46 | 26 | 9 | 1.7 | 37 | 16 |
| Fractional % Sieve #60 (425-250µm): medium sand | 8 | 13 | 54 | 31 | 8 | 0.4 | 46 | 18 | 7 | 1.4 | 29 | 14 | 9 | 6.7 | 51 | 27 |
| Fractional % Sieve #100 (250-150µm): fine sand | 8 | 0.17 | 15 | 5.5 | 8 | 0.10 | 4.4 | 2.3 | 7 | 0 | 2.9 | 1.1 | 9 | 0 | 13 | 2.4 |
| Fractional % Sieve #200 (150-75µm): very fine sand | 8 | 1.3 | 19 | 8.7 | 8 | 0.23 | 16 | 4.4 | 7 | 0.10 | 19 | 6.9 | 9 | 0.90 | 60 | 33 |
| Fractional % Sieve #230 (<75µm): silt and clay | 8 | 0.25 | 5.5 | 1.3 | 8 | 0 | 1.4 | 0.30 | 7 | 0 | 3.1 | 0.70 | 9 | 0.10 | 4.8 | 1.9 |

Notes:

Bold outline denotes fractional % sieve with majority of sediment

%: percent

µm: micrometer

GW: groundwater

Max: maximum concentration

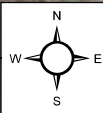
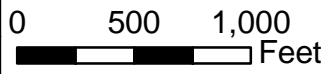
Min: minimum concentration

n: sample size

TOC: total organic carbon

Figures

Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
 Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, DeLorme, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

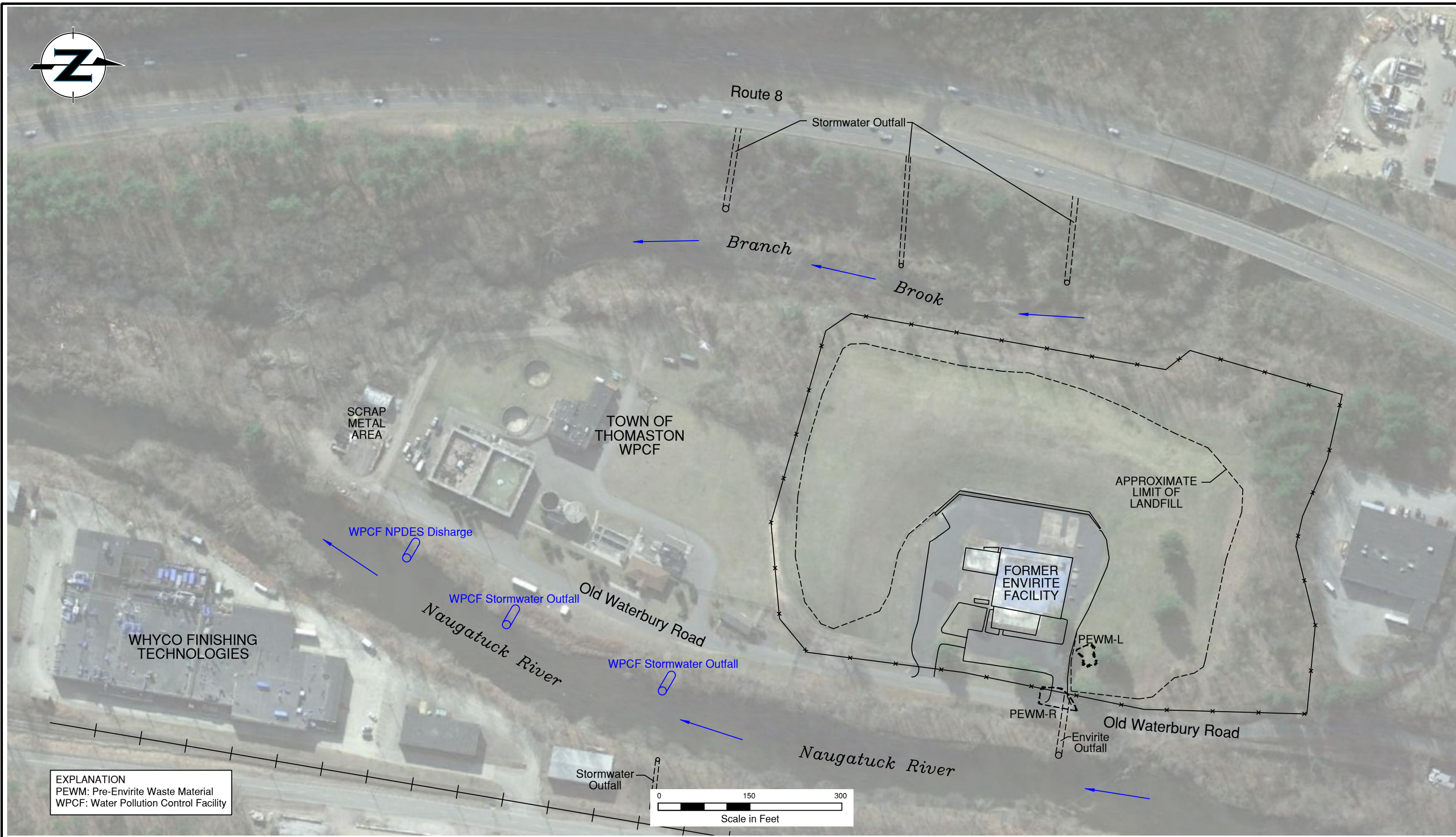


ENVIRON

Site Location
 Envirite Corporation
 Thomaston, Connecticut

Figure
 1

C:\PROJECTS\08-14218\G5\SITE LAYOUT.DWG



DRAFTED BY: \GMILES

DATE: 1/26/2015

Site Layout
Envirite RCRA Facility
Old Waterbury Road, Thomaston, Connecticut

Figure
2



Figure
3

*Treated effluent, out of use since 1977

Overburden
Groundwater
Elevation Contours -
April 29, 2014

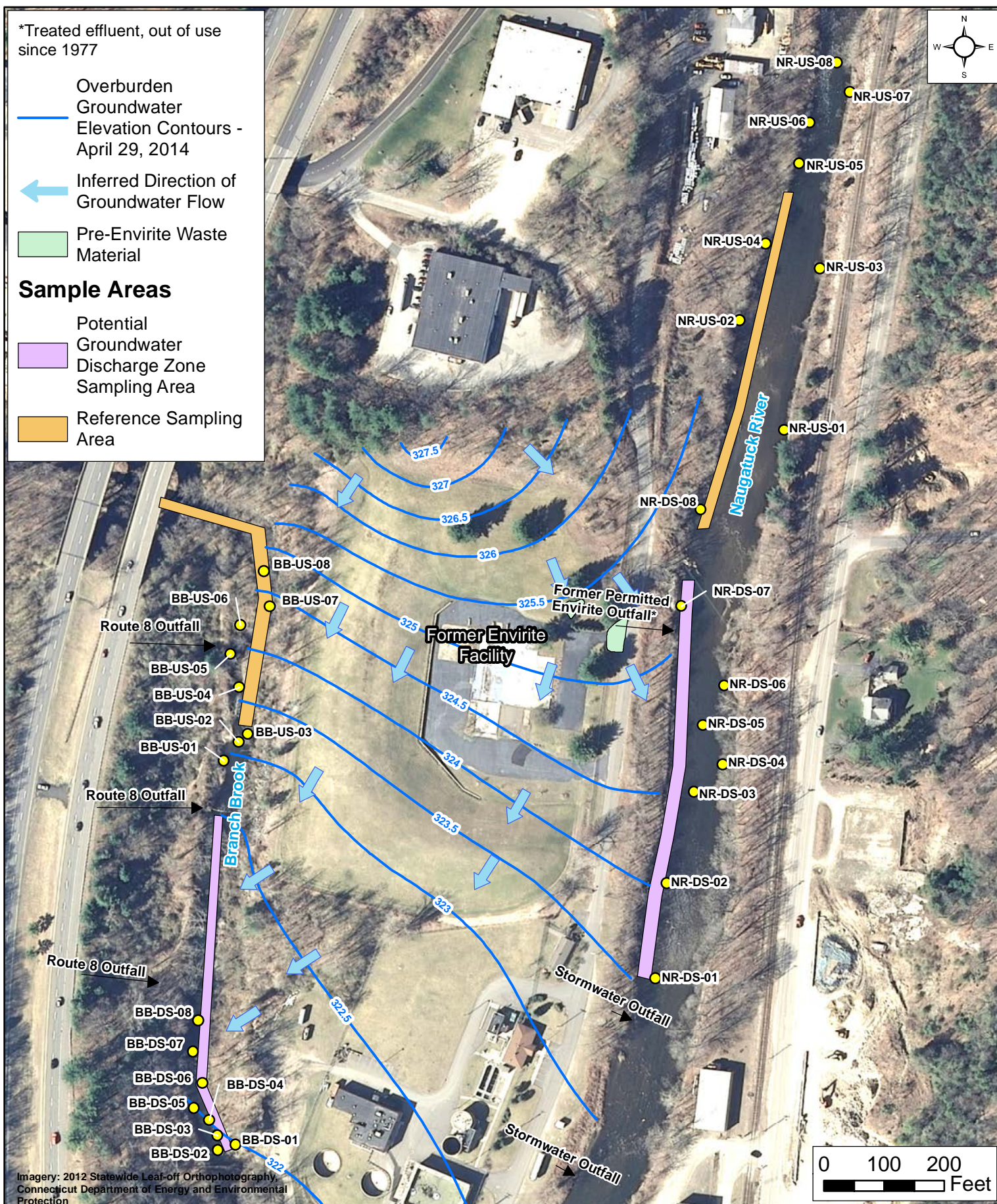
← Inferred Direction
of Groundwater Flow

Pre-Envirite Waste
Material

Sample Areas

Potential
Groundwater
Discharge Zone
Sampling Area

Reference Sampling
Area



Imagery: 2012 Statewide Leaf-off Orthophotography,
Connecticut Department of Energy and Environmental
Protection



Surface Water and Sediment Sampling
in Branch Brook and Naugatuck River

Figure
4

Figure 5a. Arsenic

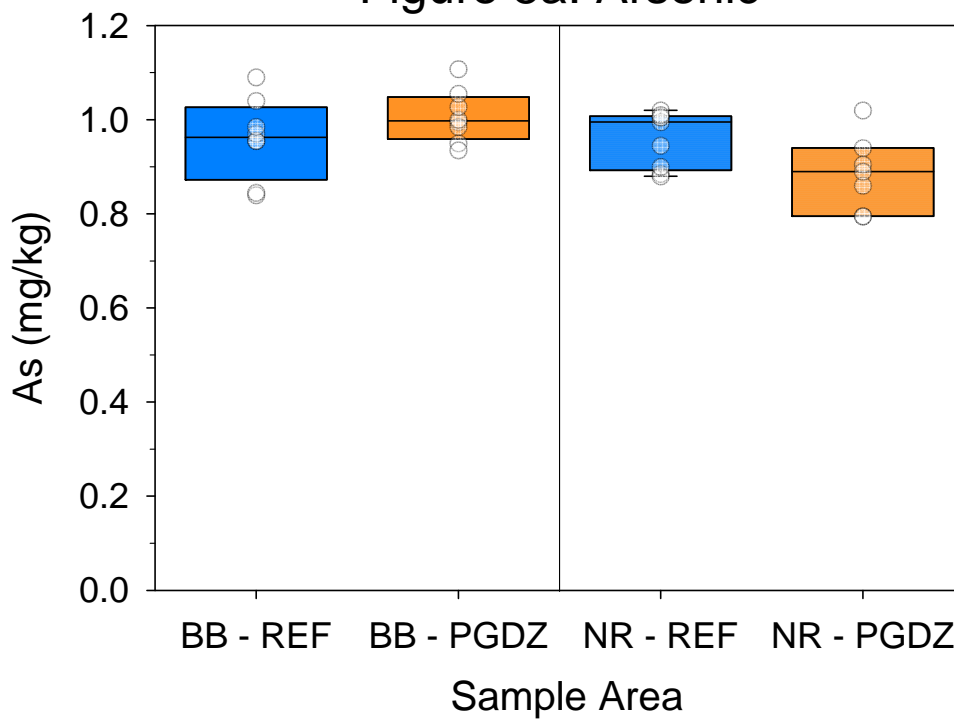
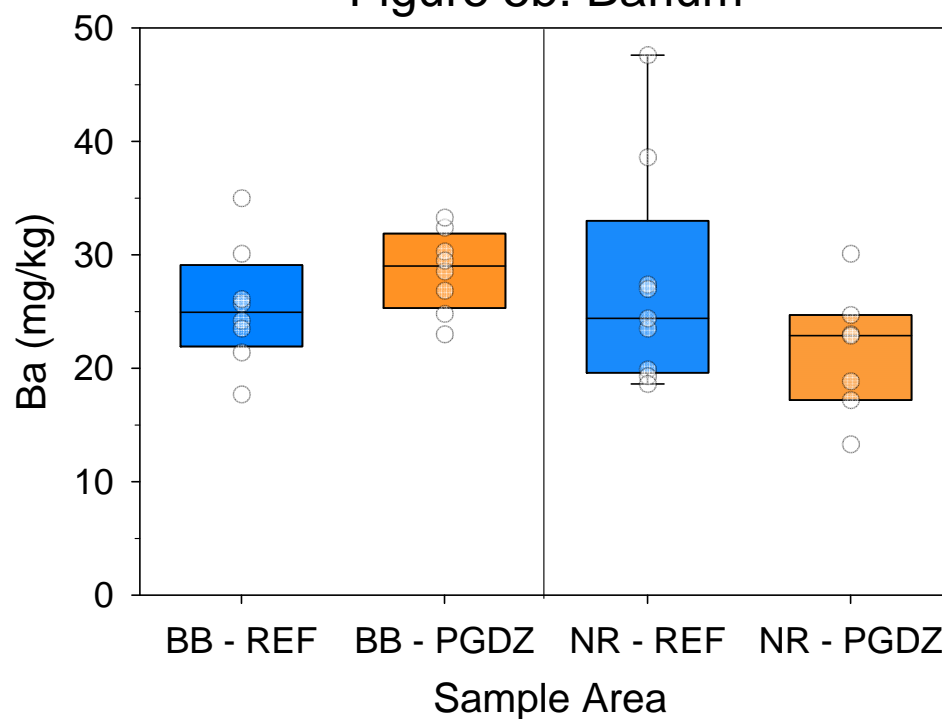


Figure 5b. Barium



BB: Branch Brook
mg/kg: milligram per kilogram

NR: Naugatuck River
REF: Reference

PGDZ: Potential Groundwater Discharge Zone



Branch Brook and Naugatuck River Sediment
Results

Figure
5

Figure 5c. Cadmium

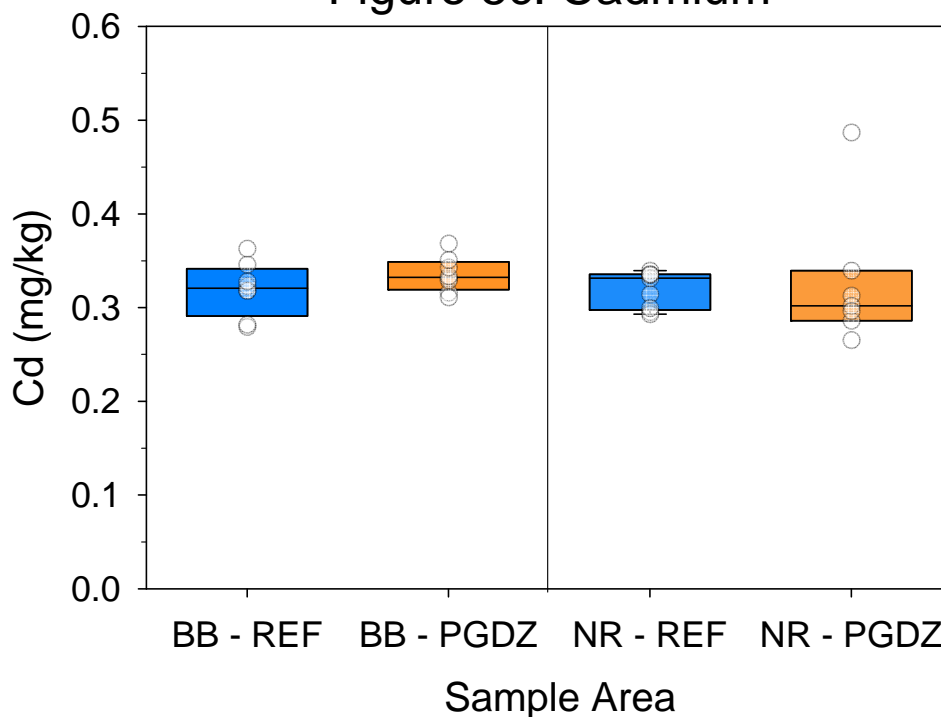
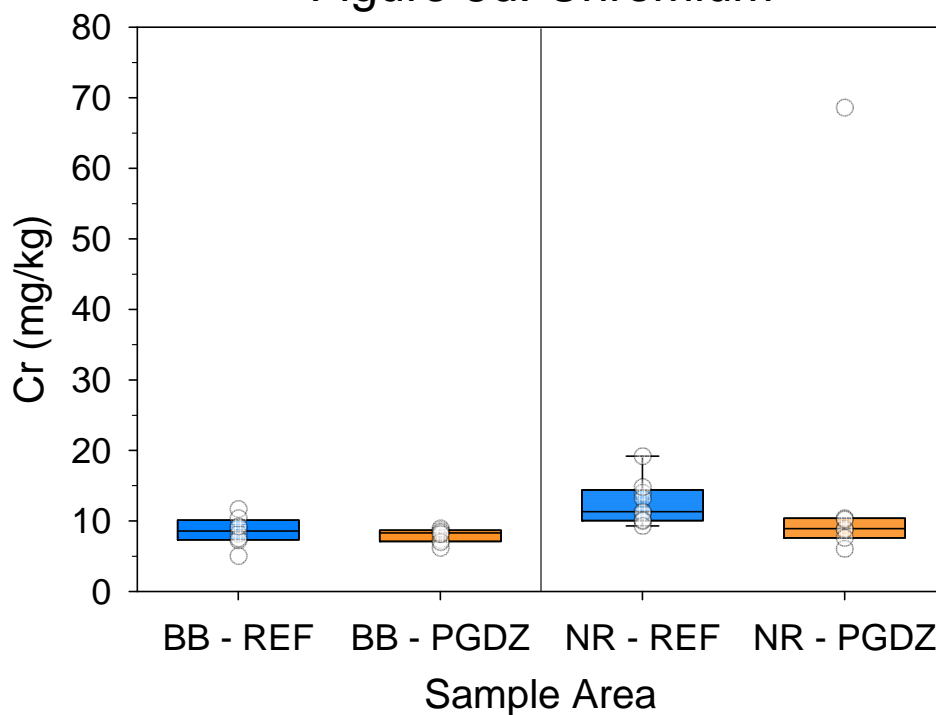


Figure 5d. Chromium



BB: Branch Brook
mg/kg: milligram per kilogram

NR: Naugatuck River
REF: Reference

PGDZ: Potential Groundwater Discharge Zone



Branch Brook and Naugatuck River Sediment
Results

Figure
5

Figure 5e. Copper

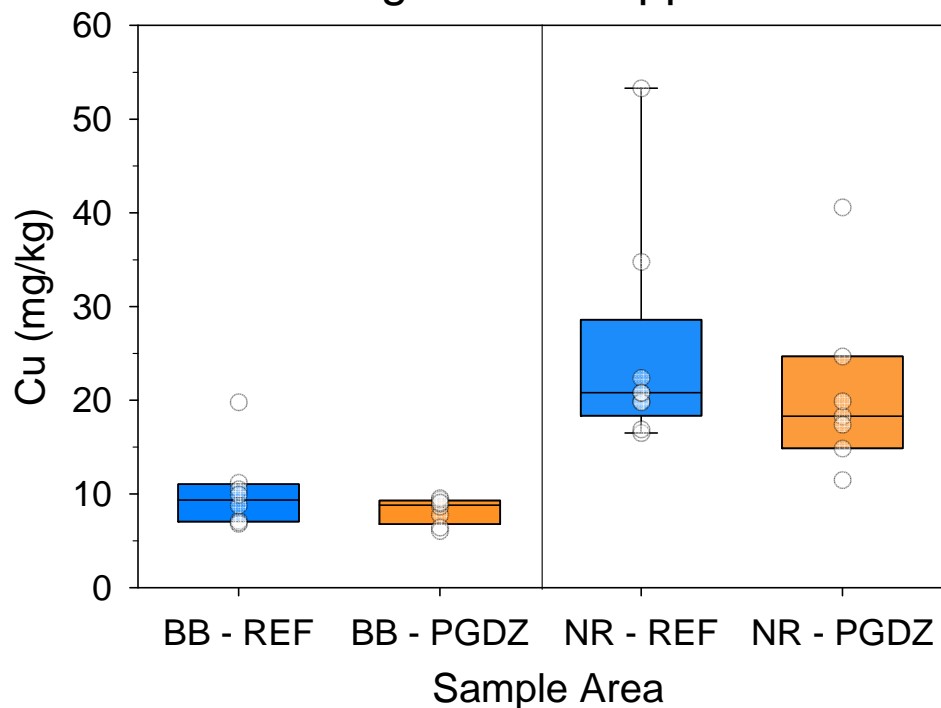
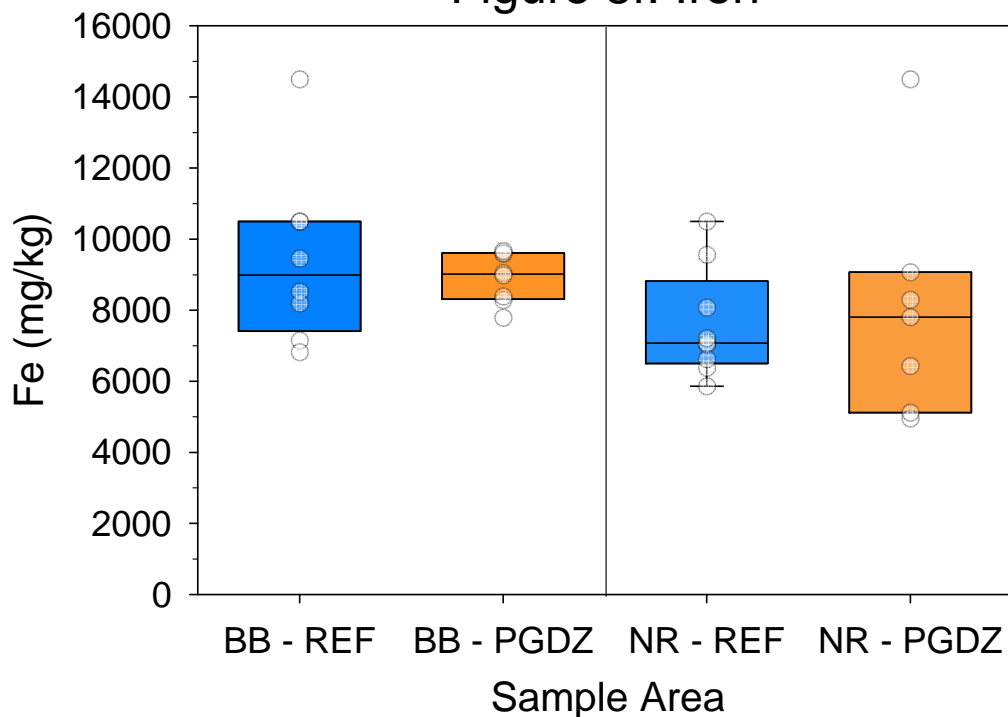


Figure 5f. Iron



BB: Branch Brook
mg/kg: milligram per kilogram

NR: Naugatuck River
REF: Reference

PGDZ: Potential Groundwater Discharge Zone



Branch Brook and Naugatuck River Sediment
Results

Figure
5

Figure 5g. Lead

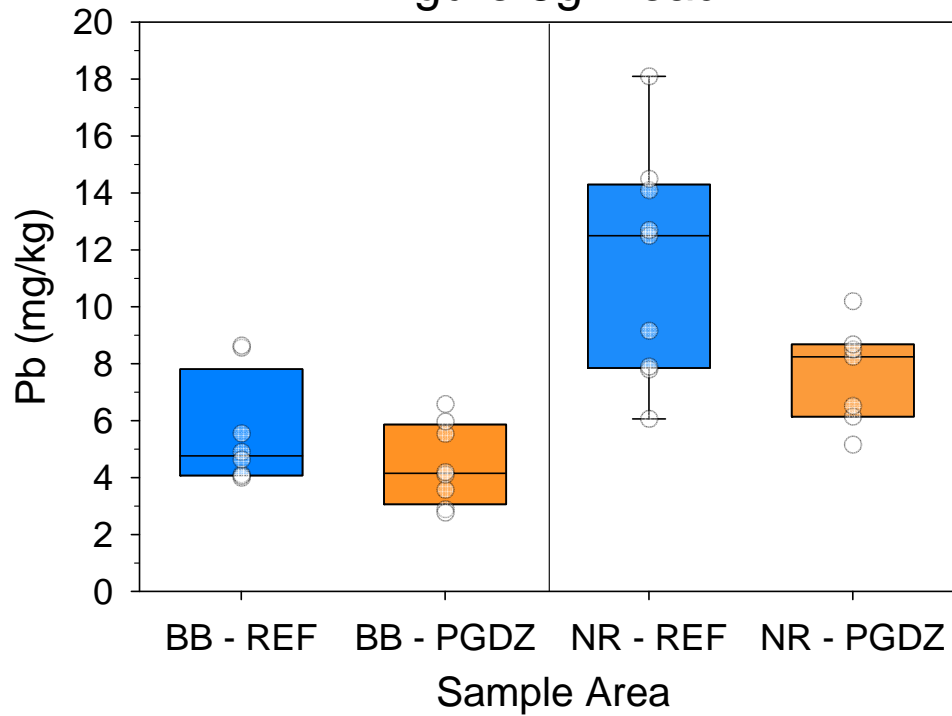
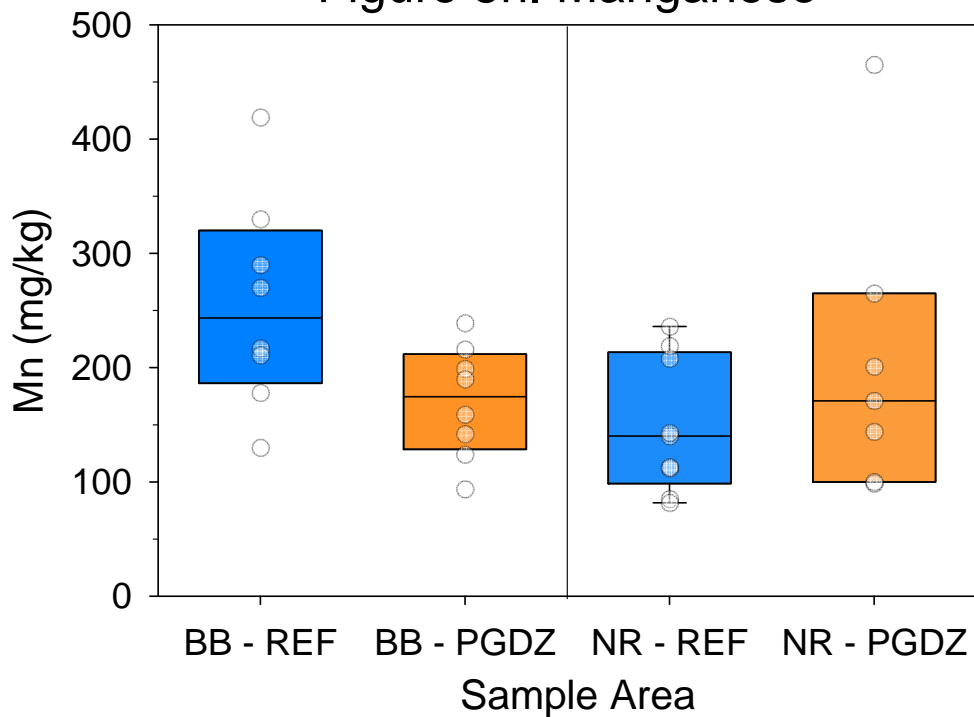


Figure 5h. Manganese



BB: Branch Brook
mg/kg: milligram per kilogram

NR: Naugatuck River
REF: Reference

PGDZ: Potential Groundwater Discharge Zone



Branch Brook and Naugatuck River Sediment
Results

Figure
5

Figure 5i. Nickel

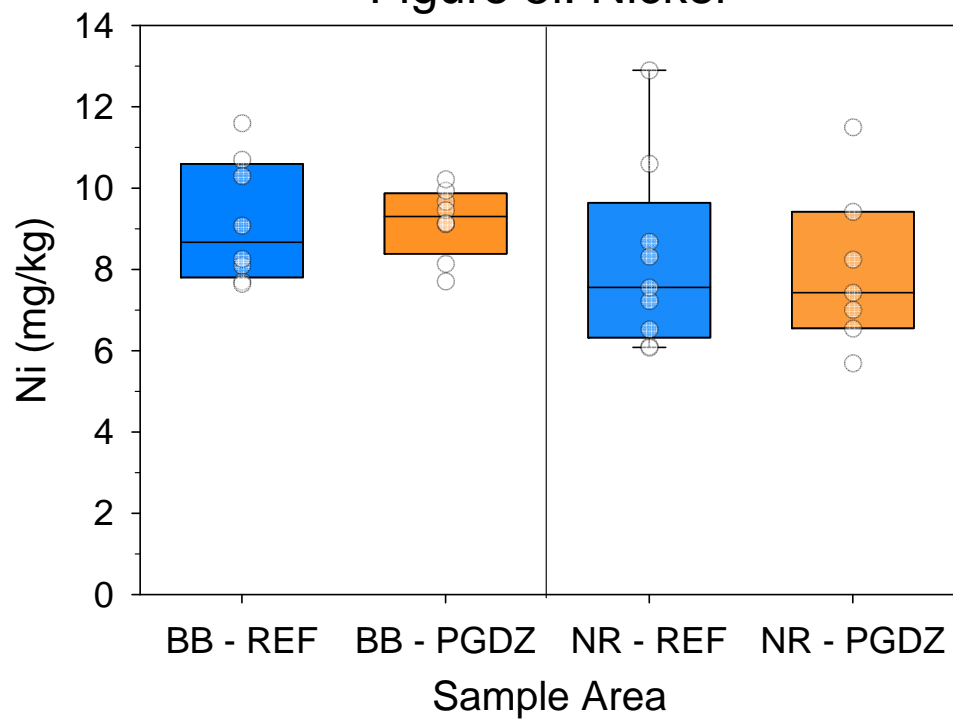
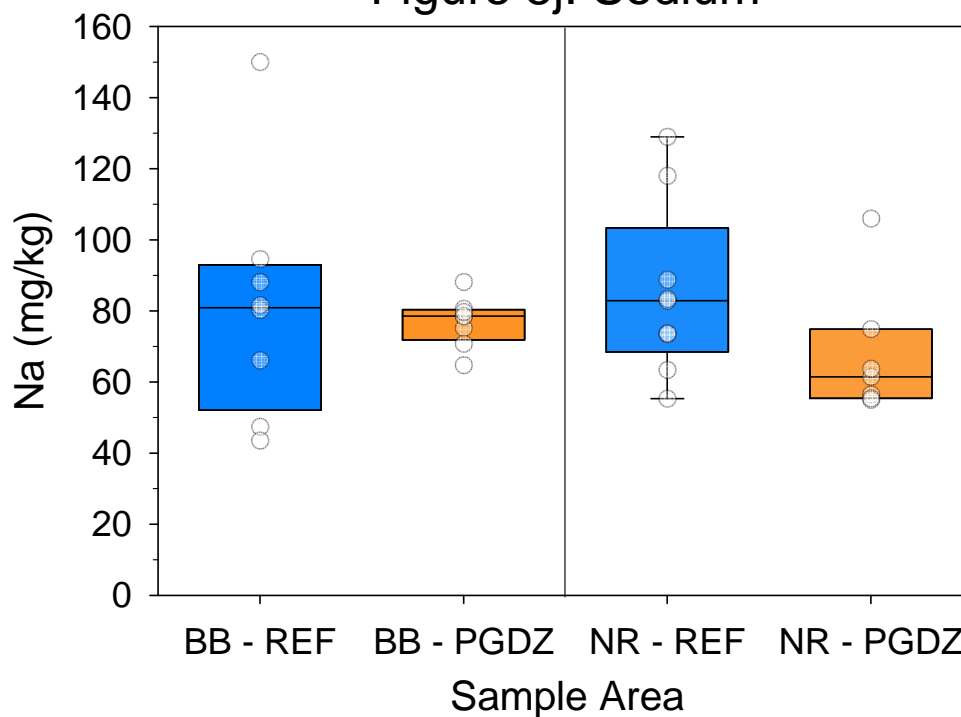


Figure 5j. Sodium



BB: Branch Brook

mg/kg: milligram per kilogram

NR: Naugatuck River

REF: Reference

PGDZ: Potential Groundwater Discharge Zone



Branch Brook and Naugatuck River Sediment
Results

Figure
5

Figure 5k. Zinc

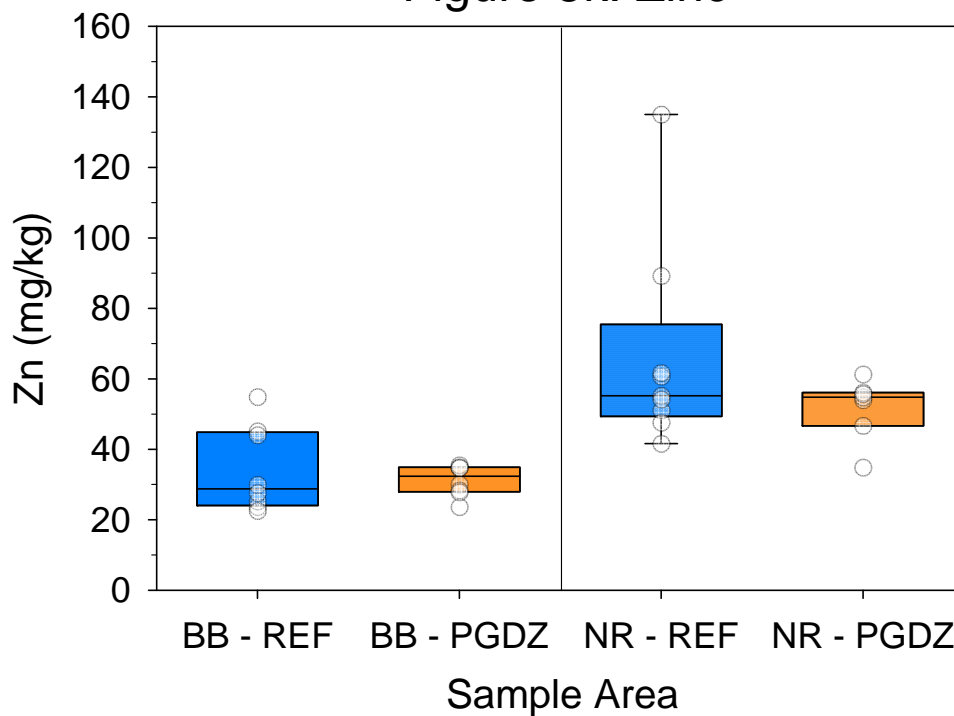
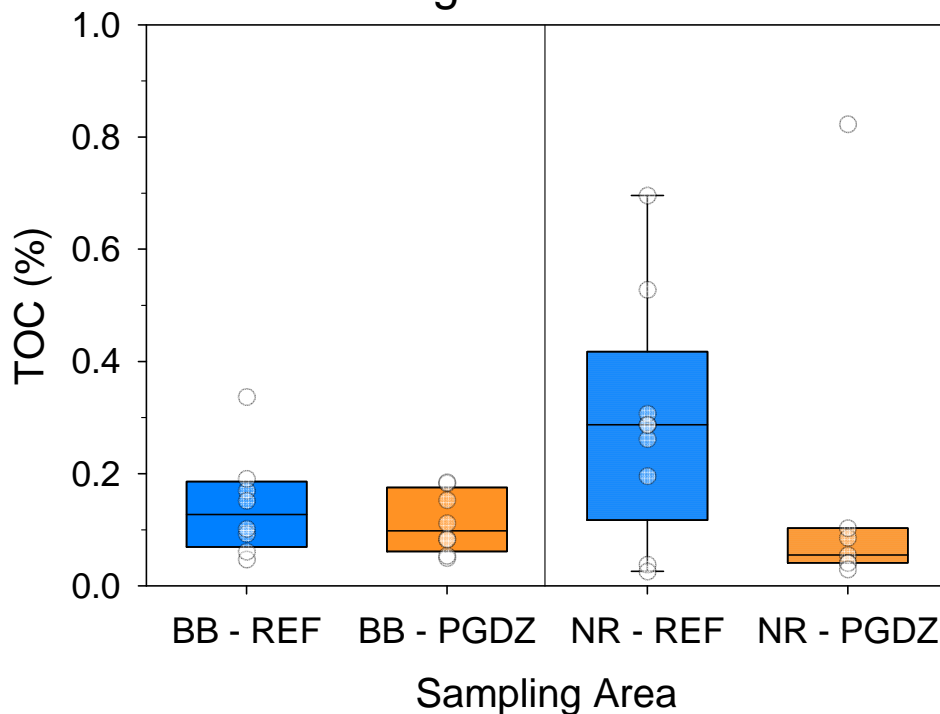


Figure 5l. TOC



BB: Branch Brook
mg/kg: milligram per kilogram
%: percent

NR: Naugatuck River
REF: Reference

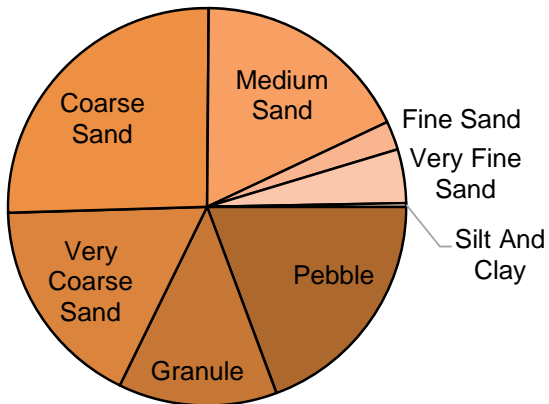
PGDZ: Potential Groundwater Discharge Zone
TOC: total organic carbon



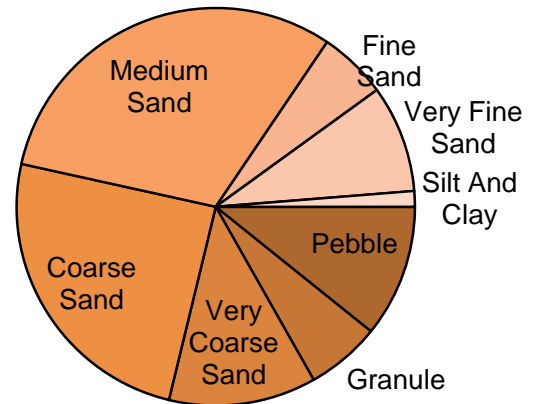
Branch Brook and Naugatuck River Sediment
Results

Figure
5

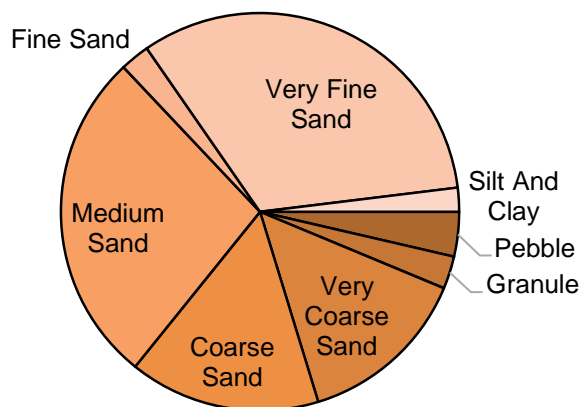
BB - REF



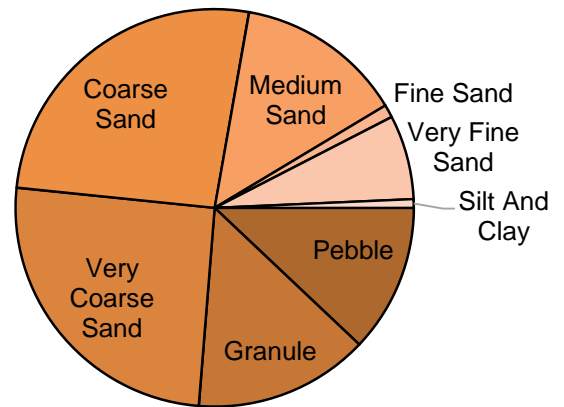
BB - PGDZ



NR - REF



NR - PGDZ

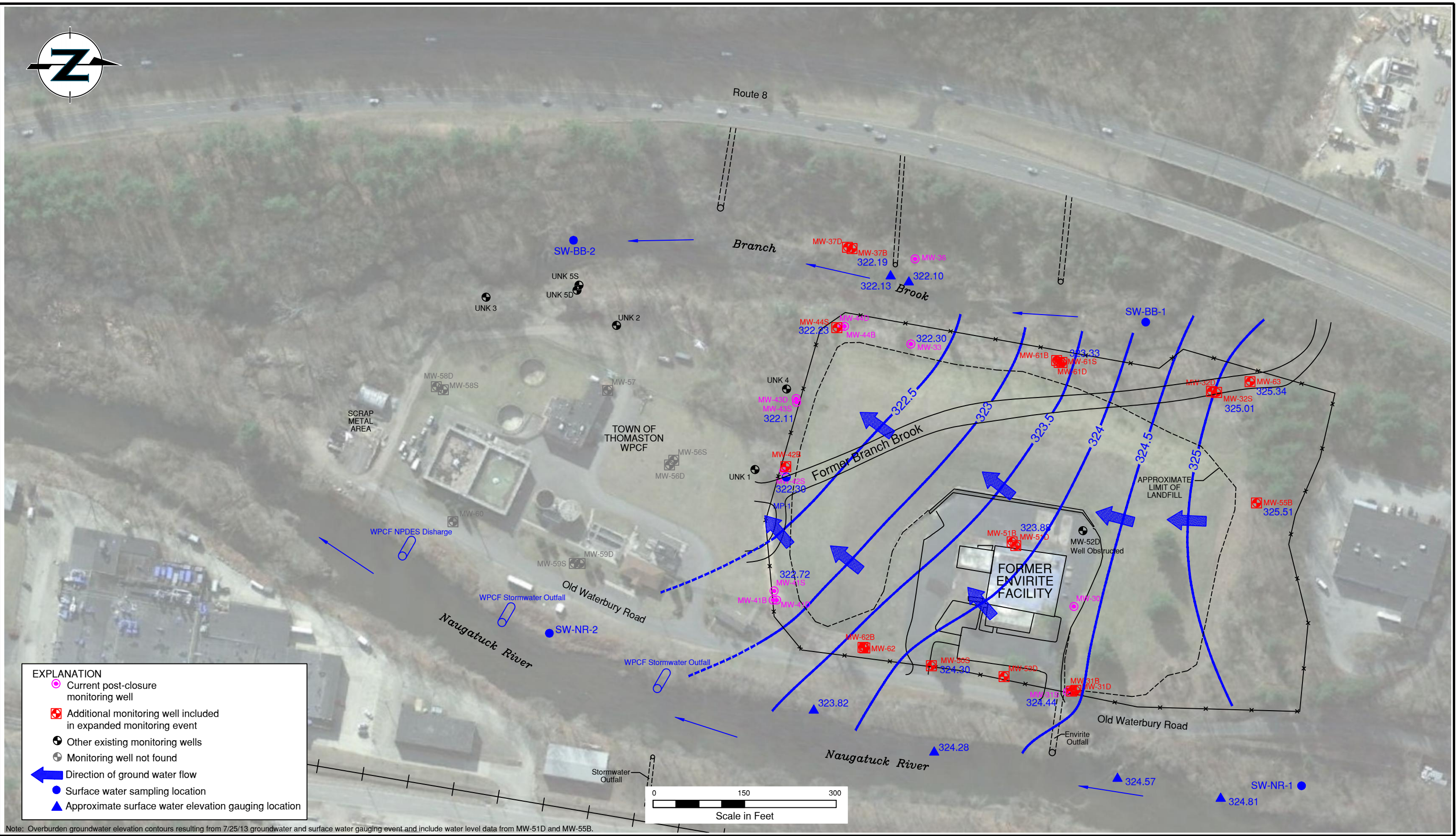


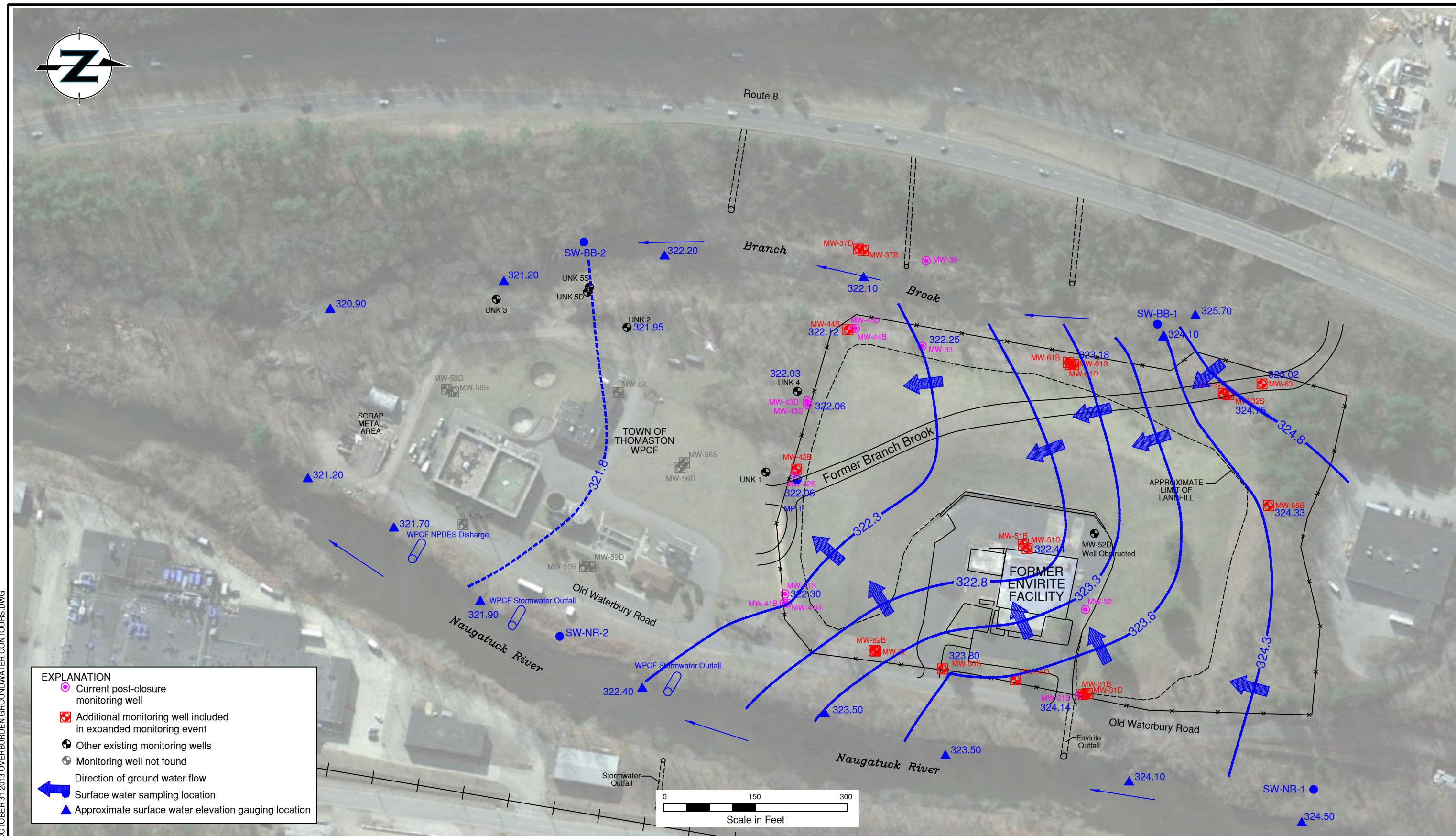
BB: Branch Brook
 NR: Naugatuck River
 PGDZ: Potential Groundwater Discharge Zone
 REF: Reference

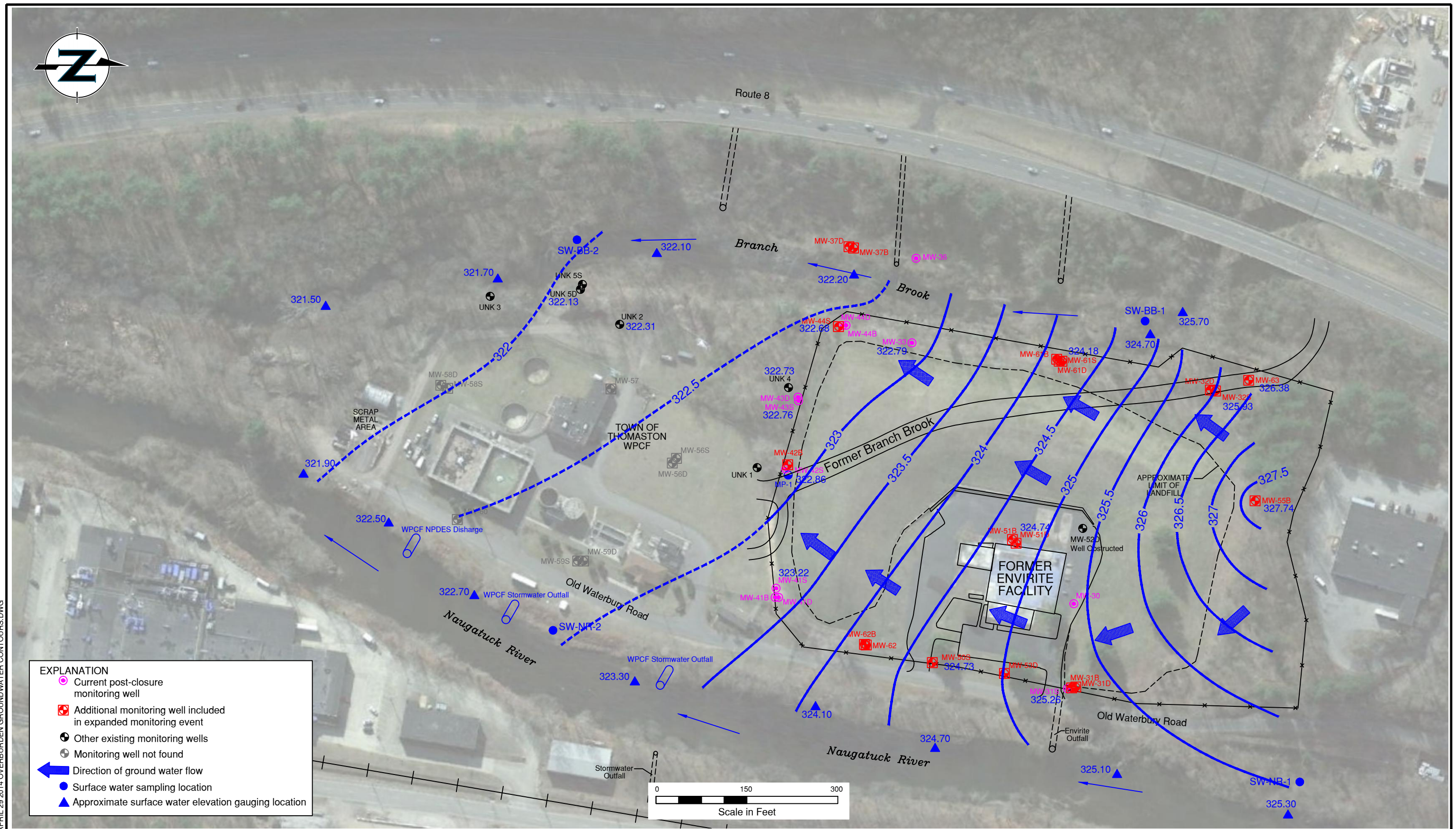
Appendix A

Overburden Groundwater Elevation Contours: July 25, 2013 – April 29, 2014

C:\PROJECTS\08-14218\G1 JULY 25 2013 OVERBURDEN GROUNDWATER CONTOURS.DWG







Appendix B

Photo Log



Photo 1: Branch Brook – Downstream: Beaver dam at downstream boundary of reach



Photo 2: Branch Brook – Downstream: East bank at downstream boundary of reach



Photo 3: Branch Brook – Downstream: Location BB-DS- 01



Photo 4: Branch Brook – Downstream: BB-DS-SED-01 sediment sample for metals analysis

Title: Sediment Sampling of Branch Brook and Naugatuck River
Site: Envirite RCRA Facility, Thomaston, CT

Date: October 2014
The logo for ENVIRON, featuring a stylized 'E' made of three colored shapes (green, blue, and red) followed by the word "ENVIRON" in a bold, sans-serif font.



Photo 5: Branch Brook – Downstream: BB-DS-SED-02 sediment samples for VOC analysis



Photo 6: Branch Brook – Downstream: BB-DS-SED-02 sediment sample for metals analysis



Photo 7: Branch Brook – Downstream: BB-DS-SED-03 sediment sample for VOC analysis



Photo 8: Branch Brook – Downstream: BB-DS-SED-03 sediment sample for metals analysis



Photo 9: Branch Brook – Downstream: BB-DS-SED-04 sediment sample for metals analysis



Photo 10: Branch Brook – Downstream: DUP-1 sediment sample for metals analysis



Photo 11: Branch Brook – Downstream: BB-DS-SED-05 sediment sample for metals analysis



Photo 12: Branch Brook – Downstream: Upstream boundary of reach



Photo 13: Branch Brook – Downstream: View looking downstream from upstream boundary of reach



Photo 14: Branch Brook – Upstream: View looking upstream from location BB-US-01



Photo 15: Branch Brook – Upstream: BB-US-SED-01 sediment sample for metals analysis



Photo 16: Branch Brook – Upstream: View looking upstream from location BB-US-03



Photo 17: Branch Brook – Upstream: BB-US-SED-03 sediment sample for metals analysis



Photo 18: Branch Brook – Upstream: BB-US-SED-04 sediment sample for metals analysis



Photo 19: Branch Brook – Upstream: BB-US-SED-05 sediment sample for metals analysis



Photo 20: Branch Brook – Upstream: BB-US-SED-06 sediment sample for metals analysis



Photo 21: Branch Brook – Upstream: BB-US-SED-07 sediment sample for metals analysis



Photo 22: Branch Brook – Upstream: BB-US-SED-08 sediment sample for metals analysis



Photo 23: Naugatuck River – Downstream: NR-DS-SED-01 and DUP-4 sediment sample for metals analysis



Photo 24: Naugatuck River – Downstream: NR-DS-SED-02 sediment sample for metals analysis



Photo 25: Naugatuck River – Downstream: NR-DS-SED-05 and MS/MSDS-3 sediment sample for metals analysis



Photo 26: Naugatuck River – Downstream: View looking upstream from location NR-DS-03

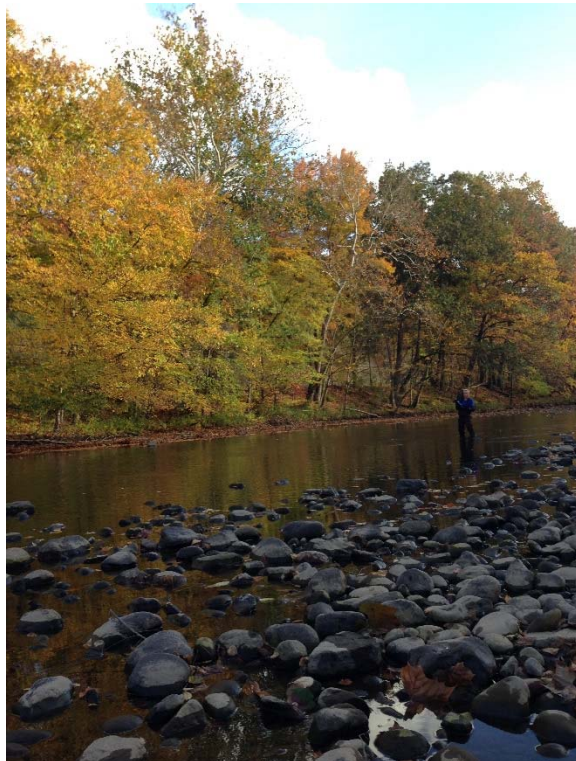


Photo 27: Naugatuck River – Downstream: Sampling location NR-DS-03



Photo 28: Naugatuck River –Downstream: NR-DS-SED-06 sediment sample for metals analysis



Photo 29: Naugatuck River – Downstream: NR-DS-SED-07 sediment sample for metals analysis



Photo 30: Naugatuck River – Downstream: NR-DS-SED-08 sediment sample for metals analysis



Photo 31: Naugatuck River – Upstream: NR-US-SED-01 sediment sample for VOC analysis



Photo 32: Naugatuck River – Upstream: NR-US-SED-01 sediment sample for VOC analysis



Photo 33: Naugatuck River – Upstream: NR-US-SED-01 sediment sample for metals analysis



Photo 34: Naugatuck River – Upstream: View looking upstream from location NR-US-01

Title: Sediment Sampling of Branch Brook and Naugatuck River
Site: Envirite RCRA Facility, Thomaston, CT

Date: October 2014
 **ENVIRON**



Photo 35: Naugatuck River – Upstream: View looking downstream from location NR-US-01



Photo 36: Naugatuck River – Upstream: NR-US-SED-02 sediment sample for metals analysis



Photo 37: Naugatuck River – Upstream: NR-US-SED-03 sediment sample for metals analysis



Photo 38: Naugatuck River – Upstream: NR-US-SED-04 sediment sample for metals analysis



Photo 39: Naugatuck River – Upstream: NR-US-SED-05 sediment sample for metals analysis



Photo 40: Naugatuck River – Upstream: NR-US-SED-06 sediment sample for metals analysis



Photo 41: Naugatuck River – Upstream: NR-US-SED-07 sediment sample for metals analysis



Photo 42: Naugatuck River – Upstream: NR-US-SED-08 sediment sample for metals analysis

Appendix C
Laboratory Chain-of-Custody Forms



CHAIN OF CUSTODY RECORD

Page 1 of 4

SB 98028

BM

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St.
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: John P. Derek Pelletier

Invoice To: Envirite
Kris Sabinga
PO Box 591
Chappagua NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: 08-1421843
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7, 9, 2, _____, _____, _____, _____, _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

| G= Grab | | | | C=Compsite | | | | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr | Cu, Fe, Mn, Ni, Pb, Zn | TOC | Grain Size | Total Solids | Check if chlorinated |
|---------|---------------|----------|-------|------------|----|---|---|------|--------|----------------|------------------|------------------|--------------|-----------|-----------|----------------|------------------------|-----|------------|--------------|----------------------|
| Lab ID: | Sample ID: | Date: | Time: | | | | | | | | | | | | | | | | | | |
| 9802801 | BB-DS-SED-01 | 10/14/14 | 940 | G | SO | | 3 | | | | | | | | | X | X | X | X | X | X |
| 02 | BB-DS-SEDV-01 | ↑ | 940 | ↑ | SO | 3 | | | | | | | | X | | | | | | | |
| 03 | BB-DS-SWV-01 | ↑ | 940 | ↑ | SW | 3 | | | | | | | | | X | | | | | | |
| 04 | BB-DS-SED-02 | ↑ | 955 | ↑ | SO | 3 | | | | | | | | | | X | X | X | X | X | X |
| 05 | BB-DS-SEDV-02 | Ⓚ | 955 | Ⓚ | SO | 3 | | | | | | | | X | | | | | | | |
| 06 | BB-DS-SWV-02 | ↑ | 955 | ↑ | SW | 3 | | | | | | | | | X | | | | | | |
| 07 | BB-DS-SED-03 | ↑ | 1015 | ↑ | SO | 3 | | | | | | | | | | X | X | X | X | X | X |
| 08 | BB-DS-SEDV-03 | ↑ | 1015 | ↑ | SO | 3 | | | | | | | | X | | | | | | | |
| 09 | BB-DS-SWV-03 | ↓ | 1015 | ↓ | SW | 3 | | | | | | | | | X | | | | | | |
| 10 | BB-DS-SED-04 | 10/14/14 | 1135 | G | SO | | 3 | | | | | | | | | X | X | X | X | X | X |

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

☒ E-mail to:

adaniel@environcorp.com

Observed

Correction Factor

Corrected

IR ID #

Condition upon receipt:

Custody Seals:

☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced

☐ Refrigerated

☐ DI VOA Frozen

☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 2 of 34

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sibinga
PO Box 591
Chappqua NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: 08-14218 G3
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/9 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

| G= Grab | | | | C=Compsite | | | | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Pb, Zn | TOC | Grain Size | Total Solids | Check if chlorinated |
|-----------------|----------------------|-----------------|-------------|------------|-----------|----------|----------|------|--------|----------------|------------------|------------------|--------------|-----------|-----------|--|----------|------------|--------------|--------------------------|
| Lab ID: | Sample ID: | Date: | Time: | | | | | | | | | | | | | | | | | |
| <u>98028-11</u> | <u>BB-DS-SEDV-04</u> | <u>10/14/14</u> | <u>1135</u> | <u>G</u> | <u>SO</u> | <u>3</u> | | | | | | | | <u>X</u> | | | | | | <input type="checkbox"/> |
| <u>12</u> | <u>BB-DS-SWV-04</u> | <u>↑</u> | <u>1135</u> | <u>↑</u> | <u>SW</u> | <u>3</u> | | | | | | | | | <u>X</u> | | | | | <input type="checkbox"/> |
| <u>13</u> | <u>BB-DS-SED-05</u> | <u>↑</u> | <u>1200</u> | <u>↑</u> | <u>SO</u> | <u>3</u> | <u>3</u> | | | | | | | | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <input type="checkbox"/> |
| <u>14</u> | <u>BB-DS-SEDV-05</u> | <u>↑</u> | <u>1200</u> | <u>↑</u> | <u>SO</u> | <u>3</u> | | | | | | | | <u>X</u> | | | | | | <input type="checkbox"/> |
| <u>15</u> | <u>BB-DS-SWV-05</u> | <u>Ⓢ</u> | <u>1200</u> | <u>Ⓢ</u> | <u>SW</u> | <u>3</u> | | | | | | | | | <u>X</u> | | | | | <input type="checkbox"/> |
| <u>16</u> | <u>BB-DS-SED-06</u> | <u>↑</u> | <u>1230</u> | <u>↑</u> | <u>SO</u> | <u>6</u> | <u>6</u> | | | | | | | | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <input type="checkbox"/> |
| <u>17</u> | <u>BB-DS-SEDV-06</u> | <u>↑</u> | <u>1230</u> | <u>↑</u> | <u>SO</u> | <u>6</u> | | | | | | | | <u>X</u> | | | | | | <input type="checkbox"/> |
| <u>18</u> | <u>BB-DS-SWV-06</u> | <u>↑</u> | <u>1230</u> | <u>↑</u> | <u>SW</u> | <u>6</u> | | | | | | | | | <u>X</u> | | | | | <input type="checkbox"/> |
| <u>19</u> | <u>BB-DS-SED-07</u> | <u>↓</u> | <u>1250</u> | <u>↓</u> | <u>SO</u> | <u>3</u> | <u>3</u> | | | | | | | | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <input type="checkbox"/> |
| <u>20</u> | <u>BB-DS-SEDV-07</u> | <u>10/14/14</u> | <u>1250</u> | <u>G</u> | <u>SO</u> | <u>3</u> | | | | | | | | <u>X</u> | | | | | | <input type="checkbox"/> |

Run MS/MSD
Run MS/MSD
Run MR/MSD per
client request.
Em 10/15

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

E-mail to:

adaniel@environcorp.com

Condition upon receipt:

Custody Seals:

☐ Present

☐ Intact

☐ Broken

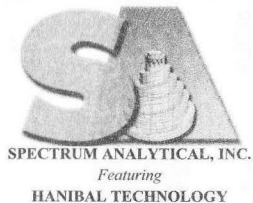
☐ Ambient

☐ Iced

☐ Refrigerated

☐ DI VOA Frozen

☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 3 of 4

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
All TATs subject to laboratory approval
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Report To: ENVIRON
136 Commercial St.
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sibinga
PO Box 591
Chappagua, NY 10514
P.O. No.: _____ Quote/RQN: _____

Project No: 08-14218 G3
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7, 9, 2

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= Trip Blank

X2= _____ X3= _____

G= Grab

C=Composite

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOC | # of AP | # of Cl | # of Pl | VOCs | VOC | As, B, | Fe, M, | Zn | TO | Gra | Total | Check | <input type="checkbox"/> Tier II <input type="checkbox"/> Tier IV Other: _____ State-specific reporting standards: | |
|---------------------|---------------|----------|-------|------|---------------|--------------|---------|---------|---------|------|--------------|--------|--------|----|----|-----|-------|-------|---|---|
| 98028-21 | BB-DS-SWV-07 | 10/14/14 | 1250 | G | SW | 3 | | | | | X | | | | | | | | <input type="checkbox"/> | |
| 22 | BB-DS-SED-08 | ↑ | 1310 | ↑ | SO | | 3 | | | | | X | X | X | X | X | X | | <input type="checkbox"/> | |
| 23 | BB-DS-SEDV-08 | ↑ | 1310 | ↑ | SO | 3 | | | | X | | | | | | | | | <input type="checkbox"/> | |
| 24 | BB-DS-SWV-08 | Ⓢ | 1310 | ↑ | SW | 3 | | | | | X | | | | | | | | <input type="checkbox"/> | |
| 25 | DUP-1 - Soil | Ⓢ | — | ↓ | SO | 3 | 3 | | | X | X | X | X | X | X | X | X | | <input type="checkbox"/> | Separated the Soil from the SW samples. Check notified. EM 10/15 EM 10/15 |
| 26 | DUP-2 - Soil | ↓ | — | ↓ | SO | 3 | 3 | | | X | X | X | X | X | X | X | X | | <input type="checkbox"/> | |
| MS/MSD-1 | | | | ↓ | SO | 6 | 3 | | | X | X | X | X | X | X | X | X | | <input type="checkbox"/> | |
| ✓ 27 | TB-1 - Soil | 10/14/14 | 800 | G | XI | 3 | 2 | | | X | X | | | | | | | | <input type="checkbox"/> | |
| | | 10/14/14 | | | | | | | | | | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | | | | | | | | | | | | <input type="checkbox"/> | |

Separated the Soil from the SW samples. client notified. EM 10/15

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

☒ E-mail to:

adanajel@environcorp.com

Condition upon receipt:

Custody Seals:

☐ Present

☐ Intact

☐ Broken

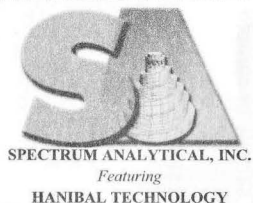
☐ Ambient

☒ Iced

☐ Refrigerated

☐ DI VOA Frozen

☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 4 of 4

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
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Samples disposed after 60 days unless otherwise instructed.

Report To: _____

Invoice To: _____

Project No: _____

Site Name: Same as Page 1

Location: _____ State: _____

Sampler(s): _____

Telephone #: _____

Project Mgr: _____

P.O No.: _____ Quote/RQN: _____

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

2 _____

QA/QC Reporting Notes:

* additional charges may apply

MA DEP MCP CAM Report? ☐ Yes ☐ No

CT DPH RCP Report? ☐ Yes ☐ No

☐ Standard ☐ No QC

☐ DQA*

☐ ASP A* ☐ ASP B*

☐ NJ Reduced* ☐ NJ Full*

☐ Tier II* ☐ Tier IV*

☐ Other: _____
State-specific reporting standards: _____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

Check if chlorinated

| G= Grab | | C=Compsite | | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs | Pesticides | Metals | Other | Check if chlorinated |
|----------|------------|------------|-------|------|--------|----------------|------------------|------------------|--------------|------|------------|--------|-------|--------------------------|
| Lab ID: | Sample ID: | Date: | Time: | | | | | | | | | | | |
| 98028-28 | DVP-1-SW | 10/14/14 | — | G | SW | 3 | | | | ✓ | | | | <input type="checkbox"/> |
| ↓ 29 | DVP-2-SW | 10/14/14 | — | G | SW | 3 | | | | ✓ | | | | <input type="checkbox"/> |
| ↓ 30 | TB-1-SW | 10/14/14 | 800 | G | | 1 | | | | ✓ | | | | <input type="checkbox"/> |
| | | | | | | | | | | | | | | <input type="checkbox"/> |
| | | | | | | | | | | | | | | <input type="checkbox"/> |
| | | | | | | | | | | | | | | <input type="checkbox"/> |
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| | | | | | | | | | | | | | | <input type="checkbox"/> |
| | | | | | | | | | | | | | | <input type="checkbox"/> |

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format: _____

☐ E-mail to: _____

Observed

Correction Factor

Corrected

IR ID #

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 1 of 4

SB 98028

EM

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
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Report To: ENVIRON
136 Commercial St.
Suite 402
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Telephone #: 207-517-8225
Project Mgr: John P. Derek Pelletier

Invoice To: Envirite
Kris Sabinga
PO Box 591
Chappagua NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: 08-1421843
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7, 9, 2

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

| G= Grab | | | | C=Compsite | | | | Type | Matrix | # of VOA V | # of Amber | # of Clear G | # of Plastic | VOCs 8 | VOCs 8 | As, Ba, | Cu, Fe, | Na, Ni, | TOC | Grain | Total | Check if ob |
|----------|---------------|----------|-------|------------|----|---|---|------|--------|------------|------------|--------------|--------------|--------|--------|---------|---------|---------|-----|-------|-------|-------------|
| Lab ID: | Sample ID: | Date: | Time: | | | | | | | | | | | | | | | | | | | |
| 98028-01 | BB-DS-SED-01 | 10/14/14 | 940 | G | SO | | 3 | | | | | | | | | X | X | X | X | X | X | |
| 02 | BB-DS-SEDV-01 | ↑ | 940 | ↑ | SO | 3 | | | | | | | | X | | | | | | | | |
| 03 | BB-DS-SWV-01 | | 940 | | SW | 3 | | | | | | | | | X | | | | | | | |
| 04 | BB-DS-SED-02 | | 955 | | SO | | 3 | | | | | | | | | X | X | X | X | X | X | |
| 05 | BB-DS-SEDV-02 | Ⓢ | 955 | Ⓢ | SO | 3 | | | | | | | | X | | | | | | | | |
| 06 | BB-DS-SWV-02 | | 955 | | SW | 3 | | | | | | | | | X | | | | | | | |
| 07 | BB-DS-SED-03 | | 1015 | | SO | | 3 | | | | | | | | | X | X | X | X | X | X | |
| 08 | BB-DS-SEDV-03 | | 1015 | | SO | 3 | | | | | | | | X | | | | | | | | |
| 09 | BB-DS-SWV-03 | ↓ | 1015 | ↓ | SW | 3 | | | | | | | | | X | | | | | | | |
| 10 | BB-DS-SED-04 | 10/14/14 | 1735 | G | SO | | 3 | | | | | | | | | X | X | X | X | X | X | |

Relinquished by:

Received by:

Date:

Time:

Temp °C

John P. Pelletier
M. Pelletier

M. Pelletier
mpry

10/14/14

1455

08

10/14/14

1721

0

08

02

☐ EDD format:

☒ E-mail to: adaniel@environcorp.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

QA/QC Reporting Notes:

* additional charges may apply

MA DEP MCP CAM Report? ☐ Yes ☐ No

CT DPH RCP Report? ☒ Yes ☐ No

☐ Standard ☐ No QC

☒ DQA*

☐ ASP A* ☐ ASP B*

☐ NJ Reduced* ☐ NJ Full*

☐ Tier II* ☐ Tier IV*

☐ Other: Tier II

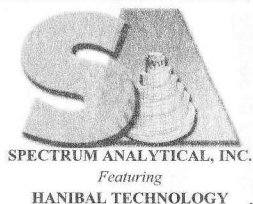
State-specific reporting standards:

QA/QC requirements

added per client

request

EM 10/16



CHAIN OF CUSTODY RECORD

Page 2 of 34

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sibinga
P.O. Box 591
Chapqua NY 10514
P.O. No.: _____ Quote/RQN: _____

Project No: 08-14218 G3
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/g 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

G=Grab

C=Composite

| Lab ID: | Sample ID: | Date: | Time: | Type | Mat | # of V | # of A | # of C | # of P | V0 | V0 | A5 | Fe | Zn | TO | Gr | To |
|----------|---------------|----------|-------|------|-----|--------|--------|--------|--------|----|----|----|----|----|----|----|----|
| 98028-11 | BB-DS-SEDV-04 | 10/14/14 | 1135 | G | SO | 3 | | | | X | | | | | | | |
| 12 | BB-DS-SWV-04 | ↑ | 1135 | ↑ | SW | 3 | | | | | X | | | | | | |
| 13 | BB-DS-SED-05 | ↑ | 1200 | ↑ | SO | | 3 | | | | | X | X | X | X | X | X |
| 14 | BB-DS-SEDV-05 | ↑ | 1200 | ↑ | SO | 3 | | | | X | | | | | | | |
| 15 | BB-DS-SWV-05 | ⊙ | 1200 | ⊙ | SW | 3 | | | | | X | | | | | | |
| 16 | BB-DS-SED-06 | ↓ | 1230 | ↓ | SO | | 6 | | | | | X | X | X | X | X | X |
| 17 | BB-DS-SEDV-06 | ↓ | 1230 | ↓ | SO | 6 | | | | X | | | | | | | |
| 18 | BB-DS-SWV-06 | ↓ | 1230 | ↓ | SW | 6 | | | | | X | | | | | | |
| 19 | BB-DS-SED-07 | ↓ | 1250 | ↓ | SO | | 3 | | | | | X | X | X | X | X | X |
| 20 | BB-DS-SEDV-07 | 10/14/14 | 1250 | G | SO | 3 | | | | X | | | | | | | |

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☒ Yes ☐ No

☐ Standard ☐ No QC

☒ DQA*

☐ ASP A*

☐ ASP B*

☐ NJ Reduced*

☐ NJ Full*

☒ Tier II*

☐ Tier IV*

☐ Other: _____

State-specific reporting standards: _____

QA/QC requirements

added per client

request on

10/16

Run MS/MSD

Run MS/MSD

Run MS/MSD per

client request.

Em 10/15

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

E-mail to:

adaniel@environcorp.com

Observed

Correction Factor

Corrected

IR ID #

Condition upon receipt:

Custody Seals:

☐ Present

☐ Intact

☐ Broken

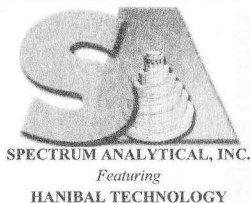
☐ Ambient

☒ Iced

☐ Refrigerated

☐ DI VOA Frozen

☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 3 of 34

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St.
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sibinga
PO Box 591
Chappagua, NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: 08-14218 G3
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7, 9, 2

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= Trip Blank

X2= _____

X3= _____

G= Grab

C=Compsite

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr, Cu | Fe, Mn, Ni, Pb | Zn | TOC | Grain Size | Total Solid |
|----------|---------------|----------|-------|------|--------|----------------|------------------|------------------|--------------|-----------|-----------|--------------------|----------------|----|-----|------------|-------------|
| 98028-21 | BB-DS-SWV-07 | 10/14/14 | 1250 | G | SW | 3 | | | | | X | | | | | | |
| 22 | BB-DS-SED-08 | 10/14/14 | 1310 | G | SO | 3 | | | | | | X | X | X | X | X | X |
| 23 | BB-DS-SEDV-08 | 10/14/14 | 1310 | G | SO | 3 | | | | X | | | | | | | |
| 24 | BB-DS-SWV-08 | 10/14/14 | 1310 | G | SW | 3 | | | | | X | | | | | | |
| 25 | DUP-1-Soil | 10/14/14 | | G | SO | 3 | | | | X | X | X | X | X | X | X | X |
| 26 | DUP-2-Soil | 10/14/14 | | G | SO | 3 | | | | X | X | X | X | X | X | X | X |
| 27 | MS/MSD-1 | 10/14/14 | | G | SO | 6 | | | | X | X | X | X | X | X | X | X |
| 27 | TB-1-Soil | 10/14/14 | 800 | G | XI | 3 | | | | X | X | | | | | | |

Check if chlorinated

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☒ Yes ☐ No

☐ Standard ☐ No QC

☒ DQA*

☐ ASP A*

☐ ASP B*

☐ NJ Reduced*

☐ NJ Full*

☒ Tier II*

☐ Tier IV*

☐ Other: _____
State-specific reporting standards: _____

QA/QC requirements
per client request
EM 10/16

Separated the Soil from
the SW samples. client
EM notified.
EM 10/15

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

☒ E-mail to:

adaniet@environcorp.com

Observed

Correction Factor

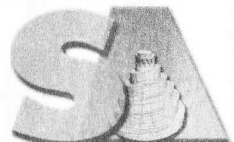
Corrected

IR ID #

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB 98147 84



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 8

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
 All TATs subject to laboratory approval
 Min. 24-hr notification needed for rushes
 Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME 04101
 Telephone #: 207-517-8225
 Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sabiny
PO Box 594
Chappqua, NY 10514
 P.O No.: _____ Quote/RQN: _____

Project No: 08-1421863
 Site Name: Envirite
 Location: Thomaston State: CT
 Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/9 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

G= Grab

C=Compsite

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | Analysis | Check if chlorinated |
|-----------------|----------------------|-----------------|-------------|----------|-----------|----------------|------------------|------------------|--------------|---|--------------------------|
| <u>98147-01</u> | <u>NR-DS-SED-01</u> | <u>10/14/14</u> | <u>1540</u> | <u>G</u> | <u>SO</u> | <u>3</u> | | | | <u>VOCs 8260</u> <u>As, Ba, Cd, Cr</u> <u>Cu, Fe, Mn, Ni</u> <u>Pb, Zn</u> <u>TOC</u> <u>Grain Size</u> <u>Total Solids</u> | <input type="checkbox"/> |
| <u>02</u> | <u>NR-DS-SEDV-01</u> | <u>↑</u> | <u>1540</u> | <u>↑</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>03</u> | <u>NR-DS-SWV-01</u> | <u>↑</u> | <u>1540</u> | <u>↑</u> | <u>SW</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>04</u> | <u>NR-DS-SED-02</u> | <u>⊙</u> | <u>1600</u> | <u>⊙</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>05</u> | <u>NR-DS-SEDV-02</u> | <u>⊙</u> | <u>1600</u> | <u>⊙</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>06</u> | <u>NR-DS-SWV-02</u> | <u>⊙</u> | <u>1600</u> | <u>⊙</u> | <u>SW</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>07</u> | <u>NR-DS-SED-03</u> | <u>⊙</u> | <u>1615</u> | <u>⊙</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>08</u> | <u>NR-DS-SEDV-03</u> | <u>⊙</u> | <u>1615</u> | <u>⊙</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>09</u> | <u>NR-DS-SWV-03</u> | <u>⊙</u> | <u>1615</u> | <u>⊙</u> | <u>SW</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>✓ 10</u> | <u>NR-DS-SED-04</u> | <u>10/14/14</u> | <u>1635</u> | <u>G</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |

MA DEP MCP CAM Report? ☐ Yes ☐ No
 CT DPH RCP Report? ☒ Yes ☐ No
☐ Standard ☐ No QC
☒ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☒ Tier II* ☐ Tier IV*
☐ Other: _____
 State-specific reporting standards:

Soil jar for "SED"
samples corresponds to
soil in "SEDV" samples
for all samples.

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

☒ E-mail to:

Correction Factor

Condition upon receipt:

Custody Seals:

☐ Present ☐ Intact ☐ Broken

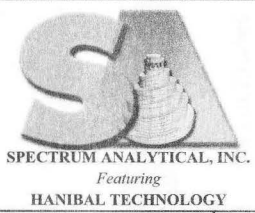
☐ Ambient ☒ Iced

☐ Refrigerated

☐ DI VOA Frozen

☐ Soil Jar Frozen

SB 98147 84



CHAIN OF CUSTODY RECORD

Page 42 of 8

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval
- Min. 24-hr notification needed for rushes
- Samples disposed after 60 days unless otherwise instructed.

| | | |
|--|--|---|
| Report To: <u>ENVIRON</u> <u>136 Commercial St</u> <u>Suite 402</u> <u>Portland, ME 04101</u> | Invoice To: <u>Envirite</u> <u>Kris Sabinga</u> <u>PO Box 591</u> <u>Chappaqua NY 10514</u> | Project No: <u>08-1421843</u> |
| Telephone #: <u>207-517-8225</u> | P.O. No.: _____ Quote/RQN: _____ | Site Name: <u>Envirite</u> |
| Project Mgr: <u>Derek Pelletier</u> | | Location: <u>Thomaston</u> State: <u>CT</u> |
| | | Sampler(s): <u>Anne Daniel</u> <u>John Underwood</u> |

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/g 2

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= _____ X2= _____ X3= _____

Containers

Analysis

| G= Grab | | | | C=Compsite | | | | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr | Cu, Fe, Mn, Ni | Pb, Zn | TOC | Grain Size | Total Solids | Check if chlorinated |
|----------|---------------|----------|-------|------------|----|---|--|------|--------|----------------|------------------|------------------|--------------|-----------|-----------|----------------|----------------|--------|-----|------------|--------------|----------------------|
| Lab ID: | Sample ID: | Date: | Time: | | | | | | | | | | | | | | | | | | | |
| 98147-11 | NR-DS-SEDV-04 | 10/14/14 | 1635 | G | SO | 3 | | | | | | | | X | | | | | | | | |
| 12 | NR-DS-SWV-04 | ↑ | 1635 | ↑ | SW | 3 | | | | | | | | | X | | | | | | | |
| 13 | NR-DS-SED-05 | | 1700 | | SO | 3 | | | | | | | | | | X | X | X | X | X | X | |
| 14 | NR-DS-SEDV-05 | | 1700 | | SO | 3 | | | | | | | | X | | | | | | | | |
| 15 | NR-DS-SWV-05 | | 1700 | | SW | 3 | | | | | | | | | X | | | | | | | |
| 16 | DUP-4-SOIL | | --- | | SO | 3 | | | | | | | | X | X | X | X | X | X | X | X | |
| 17 | DUP-5-SOIL | | --- | | SO | 3 | | | | | | | | X | X | X | X | X | X | X | X | |
| 13/14 | MS/MSD-3-SOIL | | --- | | SO | 3 | | | | | | | | X | X | X | X | X | X | X | X | |
| 18 | DUP-4-WATER | | --- | | SW | 3 | | | | | | | | | X | | | | | | | |
| 19 | DUP-5-WATER | 10/14/14 | --- | G | SW | 3 | | | | | | | | | X | | | | | | | |

Soil jar for "SED"
samples, corresponds
with soil in "SEDV"
samples. For all samples.
Parent sample NR-DS-05
(SED, SEDV, SWV) for
MS/MSD-3-soil

| | | | | | |
|---|-------------------------|-----------------------|-------------------|-----------------------|--|
| Relinquished by: <u>John Wh</u> | Received by: <u>DEC</u> | Date: <u>10/15/14</u> | Time: <u>3:30</u> | Temp °C: <u>1.2</u> | <input type="checkbox"/> EDD format: <input checked="" type="checkbox"/> E-mail to: <u>adaniel@enviroincorp.com</u> |
| | <u>mary</u> | <u>10-15-14</u> | <u>1820</u> | Observed: <u>0</u> | |
| | | | | Corrected: <u>1.2</u> | |
| Condition upon receipt: Custody Seals: <input type="checkbox"/> Present <input type="checkbox"/> Intact <input type="checkbox"/> Broken | | | | | |
| <input type="checkbox"/> Ambient <input checked="" type="checkbox"/> Iced <input type="checkbox"/> Refrigerated <input type="checkbox"/> DI VOA Frozen <input type="checkbox"/> Soil Jar Frozen | | | | | |



CHAIN OF CUSTODY RECORD

Page 3 of 8

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sabinga
PO Box 591
Chappagua, NY 10514
P.O. No.: _____ Quote/RQN: _____

Project No: 08-14218G3
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/a 2 _____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= Trip Blank X2= _____ X3= _____

G= Grab

C=Compsite

Containers

Analysis

| # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr | Cu, Fe, Mn, Na | Ni, Pb, Zn | TOC | Grain Size | Total Solids |
|----------------|------------------|------------------|--------------|-----------|-----------|----------------|----------------|------------|-----|------------|--------------|
| | | | | | X | | | | | | |
| | | | | X | X | | | | | | |
| | | | | X | X | | | | | | |
| | | 3 | | | | X | X | X | X | X | X |
| | | 3 | | X | | | | | | | |
| | | 3 | | | X | | | | | | |
| | | 3 | | | | X | X | X | X | X | X |
| | | 3 | | X | | | | | | | |
| | | 3 | | | X | | | | | | |

Check if chlorinated

QA/QC Reporting Notes:

* additional charges may apply

MA DEP MCP CAM Report? ☐ Yes ☐ No

CT DPH RCP Report? ☒ Yes ☐ No

☐ Standard ☐ No QC

☒ DQA*

☐ ASP A* ☐ ASP B*

☐ NJ Reduced* ☐ NJ Full*

☒ Tier II* ☐ Tier IV*

☐ Other: _____

State-specific reporting standards:

☐ Parent sample is NR-DS-05

☐ (SED, SEDV, SW) for

☐ MS/MSD-3-WATER

☐ Soil jar for "SED" is

☐ the same soil as "SEDV"

☐ samples for % solids

☐ analysis. For all samples

☐ Trip Blanks separated

☐ to Water TBs and

☐ Soil TBs. chain notified

☒ E-mail to: adaniel@environcorp.com An

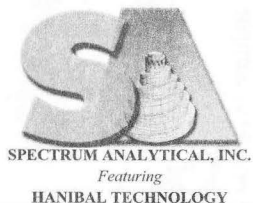
10/16

☐ EDD format:

☒ E-mail to: adaniel@environcorp.com An

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 4 of 8

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
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Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sabinga
Po Box 591
Chappagua, NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: 08-1421843
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/a 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

| G= Grab | | | | C=Compsite | | | | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCS 8260 | VOCS 8260 | As, Ba, Cd, Cr | Cu, Fe, Mn, Na | Ni, Pb, Zn | TOC | Grain Size | Total Solids | Check if chlorinated |
|----------|---------------|----------|-------|------------|----|---|---|------|--------|----------------|------------------|------------------|--------------|-----------|-----------|----------------|----------------|------------|-----|------------|--------------|--------------------------|
| Lab ID: | Sample ID: | Date: | Time: | | | | | | | | | | | | | | | | | | | |
| 98147-29 | BB-US-SEDV-03 | 10/15/14 | 825 | G | SO | 3 | | | | | | | | X | | | | | | | | <input type="checkbox"/> |
| 30 | BB-US-SWV-03 | | 825 | ↑ | SW | 3 | | | | | | | | X | | | | | | | | <input type="checkbox"/> |
| 31 | BB-US-SED-04 | | 840 | | SO | | 3 | | | | | | | | | X | X | X | X | X | X | <input type="checkbox"/> |
| 32 | BB-US-SEDV-04 | | 840 | | SO | 3 | | | | | | | | X | | | | | | | | <input type="checkbox"/> |
| 33 | BB-US-SWV-04 | | 840 | | SW | 3 | | | | | | | | | | X | X | X | X | X | X | <input type="checkbox"/> |
| 34 | BB-US-SED-05 | | 850 | | SO | | 3 | | | | | | | | | X | X | X | X | X | X | <input type="checkbox"/> |
| 35 | BB-US-SEDV-05 | | 850 | | SO | 3 | | | | | | | | X | | | | | | | | <input type="checkbox"/> |
| 36 | BB-US-SWV-05 | | 850 | | SW | 3 | | | | | | | | X | | X | X | X | X | X | X | <input type="checkbox"/> |
| 37 | BB-US-SED-06 | | 905 | | SO | | 3 | | | | | | | | | X | X | X | X | X | X | <input type="checkbox"/> |
| 38 | BB-US-SEDV-06 | 10/15/14 | 905 | G | SO | 3 | | | | | | | | X | | | | | | | | <input type="checkbox"/> |

Relinquished by:

Received by:

Date:

Time:

Temp °C

g.hwh

DEC
mary

10/15/14
10/15/14

3:30
1820

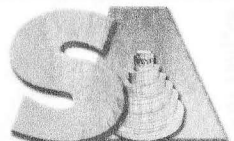
Observed
1.2
Correction Factor
0
Corrected
1.2
IR ID #
02

☐ EDD format:

☒ E-mail to: adaniel@environcorp.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 8

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME 04101
Telephone #: 207-577-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sabinga
PO Box 591
Chappagua NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: 08-1421863
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/a 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

G= Grab

C=Compsite

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | Analysis | Check if chlorinated |
|----------|---------------|----------|-------|------|--------|----------------|------------------|------------------|--------------|----------------|----------------------|
| 98147-39 | BB-US-SWV-06 | 10/15/14 | 905 | G | SW | 3 | | | | VOCS 8260 | |
| 40 | BB-US-SED-07 | | 920 | | SO | 3 | | | | VOCS 8260 | |
| 41 | BB-US-SEDV-07 | | 920 | | SO | 3 | | | | As, Ba, Cd, Cr | |
| 42 | BB-US-SWV-07 | | 920 | | SW | 3 | | | | Cu, Fe, Mn, Na | |
| 43 | BB-US-SED-08 | | 930 | | SO | 3 | | | | Ni, Pb, Zn | |
| 44 | BB-US-SEDV-08 | | 930 | | SO | 3 | | | | TDC | |
| 45 | BB-US-SWV-08 | | 930 | | SW | 3 | | | | Grain Size | |
| 46 | NR-DS-SED-06 | | 1025 | | SO | 3 | | | | Total Solids | |
| 47 | NR-DS-SEDV-06 | | 1025 | | SO | 3 | | | | | |
| 48 | NR-DS-SWV-06 | 10/15/14 | 1025 | G | SW | 3 | | | | | |

MA DEP MCP CAM Report? ☐ Yes ☐ No

CT DPH RCP Report? ☒ Yes ☐ No

☐ Standard ☐ No QC

☒ DQA*

☐ ASP A* ☐ ASP B*

☐ NJ Reduced* ☐ NJ Full*

☒ Tier II* ☐ Tier IV*

☐ Other: _____

State-specific reporting standards:

Soil jar for 'SED'

samples corresponds

with soil in 'SEDV'

samples for % solids

analysis. For all samples



CHAIN OF CUSTODY RECORD

Page 6 of 8

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St.
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sabinga
PO Box 591
Chappagua NY 10514
P.O. No.: _____ Quote/RQN: _____

Project No: 08-1421863
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/19 Z _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

G= Grab

C=Compsite

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | Analysis | Check if chlorinated |
|----------|---------------|----------|-------|------|--------|----------------|------------------|------------------|--------------|----------------|----------------------|
| 98147-49 | NR-DS-SED-07 | 10/15/14 | 1035 | G | SO | 3 | | | | VOCS 8260 | |
| 50 | NR-DS-SEDV-07 | ↑ | 1035 | ↑ | SO | 3 | | | | VOCS 8260 | |
| 51 | NR-DS-SWV-07 | ↑ | 1035 | ↑ | SW | 3 | | | | As, Ba, Cd, Cr | |
| 52 | NR-DS-SED-08 | ↑ | 1045 | ↑ | SO | 3 | | | | Cu, Fe, Mn, Na | |
| 53 | NR-DS-SEDV-08 | ↑ | 1045 | ↑ | SO | 3 | | | | Ni, Pb, Zn | |
| 54 | NR-DS-SWV-08 | ↑ | 1045 | ↑ | SW | 3 | | | | TOC | |
| 55 | NR-US-SED-01 | ↑ | 1125 | ↑ | SO | 3 | | | | Grain Size | |
| 56 | NR-US-SEDV-01 | ↑ | 1125 | ↑ | SO | 3 | | | | Total Solids | |
| 57 | NR-US-SWV-01 | ↑ | 1125 | ↑ | SW | 3 | | | | | |
| 58 | NR-US-SED-02 | 10/15/14 | 1135 | G | SO | 3 | | | | | |

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

☒ E-mail to: adaniele@environcorp.com.

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 7 of 8

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME
Telephone #: 207-517-9225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Cris Sabinga
PO Box 591
Chappagua, NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: ENVIRITE 08-1421843
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): A. Daniel
J. Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/9 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

G= Grab

C=Compsite

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | Analysis | Check if chlorinated |
|----------|---------------|----------|-------|------|--------|----------------|------------------|------------------|--------------|--|----------------------|
| 98147-59 | NR-US-SEDV-02 | 10/15/14 | 1135 | G | SO | 3 | | | | VOCs 8260 | |
| 60 | NR-US-SWV-02 | | 1135 | | SW | 3 | | | | VOCs 8260 | |
| 61 | NR-US-SED-03 | | 1150 | | SO | | 3 | | | As, Ba, Cd, Cr, Cu, Fe, Mn, Na, Ni, Pb, Zn | |
| 62 | NR-US-SEDV-03 | | 1150 | | SO | 3 | | | | TOC | |
| 63 | NR-US-SWV-03 | | 1150 | | SW | 3 | | | | Grain Size | |
| 64 | NR-US-SED-04 | | 1250 | | SO | | 3 | | | Total Solids | |
| 65 | NR-US-SEDV-04 | | 1250 | | SO | 3 | | | | | |
| 66 | NR-US-SWV-04 | | 1250 | | SW | 3 | | | | | |
| 67 | NR-US-SED-05 | | 1305 | | SO | | 3 | | | | |
| 68 | NR-US-SEDV-05 | 10/15/14 | 1305 | G | SO | 3 | | | | | |

Relinquished by:

Received by:

Date:

Time:

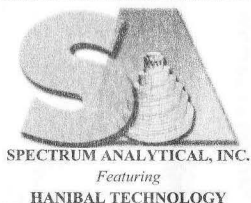
Temp °C

☐ EDD format:

☒ E-mail to: adanield@environcorp.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 8 of 8

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
B6 Commercial
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pulley

Invoice To: Envirite
Kris Sabinga
PO Box 591
Chappaqua, NY 10514
P.O. No.: _____ Quote/RQN: _____

Project No: 08-1421863
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): A. Daniel
J. Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/9 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

| G= Grab | | | | C=Compsite | | | | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr | Cu, Fe, Mn, Ni | Pb, Zn | TAC | Grain Size | Total Solids | Check if chlorinated |
|-----------------|----------------------|-----------------|-------------|------------|-----------|----------|--|------|--------|----------------|------------------|------------------|--------------|-----------|-----------|----------------|----------------|----------|----------|------------|--------------|--------------------------|
| Lab ID: | Sample ID: | Date: | Time: | | | | | | | | | | | | | | | | | | | |
| <u>98147-69</u> | <u>NR-US-SWV-05</u> | <u>10/14/15</u> | <u>1305</u> | <u>G</u> | <u>SW</u> | <u>3</u> | | | | | | | | <u>X</u> | | | | | | | | <input type="checkbox"/> |
| <u>70</u> | <u>NR-US-SED-06</u> | <u>↑</u> | <u>1315</u> | <u>↑</u> | <u>SO</u> | <u>3</u> | | | | | | | | | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <input type="checkbox"/> |
| <u>71</u> | <u>NR-US-SEDV-06</u> | | <u>1315</u> | | <u>SO</u> | <u>3</u> | | | | <u>X</u> | | | | | | | | | | | | <input type="checkbox"/> |
| <u>72</u> | <u>NR-US-SWV-06</u> | | <u>1315</u> | | <u>SW</u> | <u>3</u> | | | | | | | | <u>↑</u> | | | | | | | | <input type="checkbox"/> |
| <u>73</u> | <u>NR-US-SED-07</u> | <u>ⓐ</u> | <u>1330</u> | <u>ⓐ</u> | <u>SO</u> | <u>3</u> | | | | | | | | <u>X</u> | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <input type="checkbox"/> |
| <u>74</u> | <u>NR-US-SEDV-07</u> | | <u>1330</u> | | <u>SO</u> | <u>3</u> | | | | <u>X</u> | | | | | | | | | | | | <input type="checkbox"/> |
| <u>75</u> | <u>NR-US-SWV-07</u> | | <u>1330</u> | | <u>SW</u> | <u>3</u> | | | | | | | | <u>X</u> | | | | | | | | <input type="checkbox"/> |
| <u>76</u> | <u>NR-US-SED-08</u> | | <u>1340</u> | | <u>SO</u> | <u>3</u> | | | | | | | | | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <input type="checkbox"/> |
| <u>77</u> | <u>NR-US-SEDV-08</u> | | <u>1340</u> | | <u>SO</u> | <u>3</u> | | | | <u>X</u> | | | | | | | | | | | | <input type="checkbox"/> |
| <u>78</u> | <u>NR-US-SWV-08</u> | <u>10/14/15</u> | <u>1340</u> | <u>G</u> | <u>SW</u> | <u>3</u> | | | | | | | | <u>X</u> | | | | | | | | <input type="checkbox"/> |

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☒ Yes ☐ No

- ☐ Standard ☐ No QC
☒ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☒ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards: _____

☐ Soil in "SED" samples
☐ corresponds to soil
☐ in "SEDV" samples.
☐ For all samples

Relinquished by: JB-2-Soil

Received by: DEC

Date: 10/15/14

Time: 3:30

Temp °C: 1.2

☐ EDD format:

☒ E-mail to: adaniel@environcorp.com

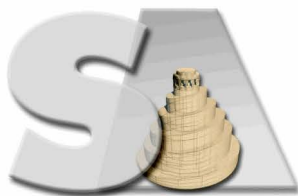
Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Appendix D

Laboratory EDDs

Report Date:
28-Oct-14 12:47



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

ENVIRON International Corporation
136 W Commercial St, Suite 402
Portland, ME 04101
Attn: Derek Pelletier

Project: Envirite - Thomaston, CT
Project #: 08-14218G3

| <u>Laboratory ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>Date Received</u> |
|----------------------|-------------------------|---------------|---------------------|----------------------|
| SB98028-01 | BB-DS-SED-01 | Soil | 14-Oct-14 09:40 | 14-Oct-14 17:21 |
| SB98028-02 | BB-DS-SEDV-01 | Soil | 14-Oct-14 09:40 | 14-Oct-14 17:21 |
| SB98028-03 | BB-DS-SWV-01 | Surface Water | 14-Oct-14 09:40 | 14-Oct-14 17:21 |
| SB98028-04 | BB-DS-SED-02 | Soil | 14-Oct-14 09:55 | 14-Oct-14 17:21 |
| SB98028-05 | BB-DS-SEDV-02 | Soil | 14-Oct-14 09:55 | 14-Oct-14 17:21 |
| SB98028-06 | BB-DS-SWV-02 | Surface Water | 14-Oct-14 09:55 | 14-Oct-14 17:21 |
| SB98028-07 | BB-DS-SED-03 | Soil | 14-Oct-14 10:15 | 14-Oct-14 17:21 |
| SB98028-08 | BB-DS-SEDV-03 | Soil | 14-Oct-14 10:15 | 14-Oct-14 17:21 |
| SB98028-09 | BB-DS-SWV-03 | Surface Water | 14-Oct-14 10:15 | 14-Oct-14 17:21 |
| SB98028-10 | BB-DS-SED-04 | Soil | 14-Oct-14 11:35 | 14-Oct-14 17:21 |
| SB98028-11 | BB-DS-SEDV-04 | Soil | 14-Oct-14 11:35 | 14-Oct-14 17:21 |
| SB98028-12 | BB-DS-SWV-04 | Surface Water | 14-Oct-14 11:35 | 14-Oct-14 17:21 |
| SB98028-13 | BB-DS-SED-05 | Soil | 14-Oct-14 12:00 | 14-Oct-14 17:21 |
| SB98028-14 | BB-DS-SEDV-05 | Soil | 14-Oct-14 12:00 | 14-Oct-14 17:21 |
| SB98028-15 | BB-DS-SWV-05 | Surface Water | 14-Oct-14 12:00 | 14-Oct-14 17:21 |
| SB98028-16 | BB-DS-SED-06 | Soil | 14-Oct-14 12:30 | 14-Oct-14 17:21 |
| SB98028-17 | BB-DS-SEDV-06 | Soil | 14-Oct-14 12:30 | 14-Oct-14 17:21 |
| SB98028-18 | BB-DS-SWV-06 | Surface Water | 14-Oct-14 12:30 | 14-Oct-14 17:21 |
| SB98028-19 | BB-DS-SED-07 | Soil | 14-Oct-14 12:50 | 14-Oct-14 17:21 |
| SB98028-20 | BB-DS-SEDV-07 | Soil | 14-Oct-14 12:50 | 14-Oct-14 17:21 |
| SB98028-21 | BB-DS-SWV-07 | Surface Water | 14-Oct-14 12:50 | 14-Oct-14 17:21 |
| SB98028-22 | BB-DS-SED-08 | Soil | 14-Oct-14 13:10 | 14-Oct-14 17:21 |
| SB98028-23 | BB-DS-SEDV-08 | Soil | 14-Oct-14 13:10 | 14-Oct-14 17:21 |
| SB98028-24 | BB-DS-SWV-08 | Surface Water | 14-Oct-14 13:10 | 14-Oct-14 17:21 |
| SB98028-25 | DUP-1-Soil | Soil | 14-Oct-14 00:00 | 14-Oct-14 17:21 |
| SB98028-26 | DUP-2-Soil | Soil | 14-Oct-14 00:00 | 14-Oct-14 17:21 |
| SB98028-27 | TB-1-Soil | Trip Blank | 14-Oct-14 08:00 | 14-Oct-14 17:21 |
| SB98028-28 | DUP-1-SW | Surface Water | 14-Oct-14 00:00 | 14-Oct-14 17:21 |
| SB98028-29 | DUP-2-SW | Surface Water | 14-Oct-14 00:00 | 14-Oct-14 17:21 |
| SB98028-30 | TB-1-SW | Trip Blank | 14-Oct-14 08:00 | 14-Oct-14 17:21 |

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 121 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, NJ-MA012, PA-68-04426 and FL-E87936).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

**Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form**

Laboratory Name: Spectrum Analytical, Inc.

Client: ENVIRON International Corporation - Portland, ME

Project Location: Envirite - Thomaston, CT

Project Number: 08-14218G3

Sampling Date(s):

10/14/2014

Laboratory Sample ID(s):

SB98028-01 through SB98028-30

RCP Methods Used:

SW846 6010C

SW846 8260C

| | | | |
|-----------|---|------------|------------|
| 1 | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents? | ✓ Yes | No |
| 1A | Were the method specified preservation and holding time requirements met? | ✓ Yes | No |
| 1B | <u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)? | Yes | No |
| 2 | Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)? | ✓ Yes | No |
| 3 | Were samples received at an appropriate temperature? | ✓ Yes | No |
| 4 | Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? | Yes | ✓ No |
| 5 | a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met? | Yes Yes | ✓ No No |
| 6 | For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? | Yes | ✓ No |
| 7 | Are project-specific matrix spikes and laboratory duplicates included in this data set? | ✓ Yes | No |

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.



Nicole Leja
Laboratory Director
Date: 10/28/2014

CASE NARRATIVE:

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

The samples were received 0.8 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

Low level VOC soil samples submitted in DI water or in an encore sampler were frozen on 10/14/2014 at 17:21.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult.

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

For this work order, the reporting limits have not been referenced or specified.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

ASTM D422

Duplicates:

1424693-DUP1 *Source: SB98028-25*

RPD out of acceptance range.

Fractional % Sieve #10 (4750-2000µm)

Fractional % Sieve #200 (150-75µm)

Lloyd Kahn

Samples:

SB98028-16 *BB-DS-SED-06*

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Lloyd Kahn

Samples:

SB98028-16 *BB-DS-SED-06*

This sample was analyzed in quadruplicate. The % RSD is 11.48227%.

Total Organic Carbon

SM2540 G Mod.

Samples:

SB98028-02 *BB-DS-SEDV-01*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -01 were used to calculate the results on a dry weight basis.

% Solids

SB98028-05 *BB-DS-SEDV-02*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -04 were used to calculate the results on a dry weight basis.

% Solids

SB98028-08 *BB-DS-SEDV-03*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -07 were used to calculate the results on a dry weight basis.

% Solids

SB98028-11 *BB-DS-SEDV-04*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from sb98028-10 were used to calculate the results on a dry weight basis.

% Solids

SB98028-14 *BB-DS-SEDV-05*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from sb98028-13 were used to calculate the results on a dry weight basis.

% Solids

SB98028-17 *BB-DS-SEDV-06*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from sb98028-16 were used to calculate the results on a dry weight basis.

% Solids

SB98028-20 *BB-DS-SEDV-07*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from sb98028-19 were used to calculate the results on a dry weight basis.

% Solids

SB98028-23 *BB-DS-SEDV-08*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from sb98028-22 were used to calculate the results on a dry weight basis.

% Solids

SW846 6010C

SW846 6010C

Spikes:

1424725-MS1 *Source: SB98028-16*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Sodium

1424725-MSD1 *Source: SB98028-16*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Sodium

1425320-MS1 *Source: SB98028-16*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Iron

1425320-MSD1 *Source: SB98028-16*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Iron

Duplicates:

S412169-SRD1 *Source: BB-DS-SED-01*

The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Nickel (11%)

S412261-SRD1 *Source: BB-DS-SED-05*

The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Iron (12%)

SW846 8260C

Calibration:

1409053

Analyte quantified by quadratic equation type calibration.

1,1,2-Trichlorotrifluoroethane (Freon 113)

Bromoform

Dibromochloromethane

Naphthalene

trans-1,3-Dichloropropene

This affected the following samples:

1424387-BLK1

1424387-BS1

1424387-BSD1

1424387-MS1

1424387-MSD1

BB-DS-SEDV-06

S410392-ICV1

S411760-CCV1

TB-1-Soil

SW846 8260C

Calibration:

1410024

Analyte quantified by quadratic equation type calibration.

1,2-Dibromo-3-chloropropane
2,2-Dichloropropane
Bromochloromethane
Bromodichloromethane
Bromoform
cis-1,3-Dichloropropene
Dibromochloromethane
Ethanol
Naphthalene
Tetrahydrofuran
trans-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene
Vinyl chloride

This affected the following samples:

1424392-BLK1
1424392-BS1
1424392-BSD1
1424392-MS1
1424392-MSD1
BB-DS-SWV-03
BB-DS-SWV-04
BB-DS-SWV-05
BB-DS-SWV-06
BB-DS-SWV-07
BB-DS-SWV-08
DUP-1-SW
DUP-2-SW
S411447-ICV1
S411769-CCV1
TB-1-SW

1410028

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
Naphthalene
n-Butylbenzene

This affected the following samples:

1424395-BLK1
1424395-BS1
1424395-BSD1
BB-DS-SWV-01
BB-DS-SWV-02
S411509-ICV1
S411768-CCV1

1410045

SW846 8260C

Calibration:

1410045

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,4-Dioxane
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Naphthalene
trans-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene

This affected the following samples:

1424386-BLK1
1424386-BS1
1424386-BSD1
1424512-BLK1
1424512-BS1
1424512-BSD1
1424512-MS1
1424512-MSD1
BB-DS-SEDV-01
BB-DS-SEDV-02
BB-DS-SEDV-03
BB-DS-SEDV-04
BB-DS-SEDV-05
BB-DS-SEDV-06
BB-DS-SEDV-07
BB-DS-SEDV-08
DUP-1-Soil
DUP-2-Soil
S411759-CCV1
S411778-ICV1
S411832-CCV1
TB-1-Soil

S410392-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

1,2,3-Trichloropropane (121%)
Isopropylbenzene (125%)
trans-1,4-Dichloro-2-butene (123%)

This affected the following samples:

1424387-BLK1
1424387-BS1
1424387-BSD1
1424387-MS1
1424387-MSD1
BB-DS-SEDV-06
S411760-CCV1
TB-1-Soil

S411447-ICV1

SW846 8260C

Calibration:

S411447-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

Dichlorodifluoromethane (Freon12) (77%)

Ethyl tert-butyl ether (78%)

This affected the following samples:

1424392-BLK1

1424392-BS1

1424392-BSD1

1424392-MS1

1424392-MSD1

BB-DS-SWV-03

BB-DS-SWV-04

BB-DS-SWV-05

BB-DS-SWV-06

BB-DS-SWV-07

BB-DS-SWV-08

DUP-1-SW

DUP-2-SW

S411769-CCV1

TB-1-SW

S411778-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

1,2,3-Trichloropropane (122%)

Dichlorodifluoromethane (Freon12) (69%)

Isopropylbenzene (126%)

This affected the following samples:

1424386-BLK1

1424386-BS1

1424386-BSD1

1424512-BLK1

1424512-BS1

1424512-BSD1

1424512-MS1

1424512-MSD1

BB-DS-SEDV-01

BB-DS-SEDV-02

BB-DS-SEDV-03

BB-DS-SEDV-04

BB-DS-SEDV-05

BB-DS-SEDV-06

BB-DS-SEDV-07

BB-DS-SEDV-08

DUP-1-Soil

DUP-2-Soil

S411759-CCV1

S411832-CCV1

TB-1-Soil

Laboratory Control Samples:

1424392 BS/BSD

SW846 8260C

Laboratory Control Samples:

1424392 BS/BSD

1,1-Dichloroethane percent recoveries (112/65) are outside individual acceptance criteria, but within overall method allowances.

All reported results of the following samples are considered to have a potentially low bias:

BB-DS-SWV-03
BB-DS-SWV-04
BB-DS-SWV-05
BB-DS-SWV-06
BB-DS-SWV-07
BB-DS-SWV-08
DUP-1-SW
DUP-2-SW
TB-1-SW

2-Butanone (MEK) percent recoveries (64/125) are outside individual acceptance criteria, but within overall method allowances.

All reported results of the following samples are considered to have a potentially low bias:

BB-DS-SWV-03
BB-DS-SWV-04
BB-DS-SWV-05
BB-DS-SWV-06
BB-DS-SWV-07
BB-DS-SWV-08
DUP-1-SW
DUP-2-SW
TB-1-SW

Methyl tert-butyl ether percent recoveries (91/51) are outside individual acceptance criteria, but within overall method allowances.

All reported results of the following samples are considered to have a potentially low bias:

BB-DS-SWV-03
BB-DS-SWV-04
BB-DS-SWV-05
BB-DS-SWV-06
BB-DS-SWV-07
BB-DS-SWV-08
DUP-1-SW
DUP-2-SW
TB-1-SW

1424392 BSD

1,1-Dichloroethane RPD 54% (20%) is outside individual acceptance criteria.

2-Butanone (MEK) RPD 65% (20%) is outside individual acceptance criteria.

Methyl tert-butyl ether RPD 57% (20%) is outside individual acceptance criteria.

1424395 BS/BSD

Dichlorodifluoromethane (Freon12) percent recoveries (131/107) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

BB-DS-SWV-01
BB-DS-SWV-02

1424512 BSD

2-Butanone (MEK) RPD 32% (30%) is outside individual acceptance criteria.

SW846 8260C

Spikes:

1424387-MS1 *Source: SB98028-17*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1,1-Trichloroethane
Acrylonitrile
Bromomethane
Hexachlorobutadiene
sec-Butylbenzene
tert-Butylbenzene
Trichlorofluoromethane (Freon 11)

1424387-MSD1 *Source: SB98028-17*

RPD out of acceptance range.

Chloroethane

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Bromomethane
Chloroethane

1424392-MSD1 *Source: SB98028-18*

RPD out of acceptance range.

1,4-Dioxane
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Acetone
Ethanol
Naphthalene

1424512-MS1 *Source: SB98028-17RE1*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane
1,2-Dichlorobenzene
1,3,5-Trichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,4-Dioxane
2-Butanone (MEK)
Acetone
Hexachlorobutadiene
Naphthalene
Styrene
trans-1,4-Dichloro-2-butene

1424512-MSD1 *Source: SB98028-17RE1*

RPD out of acceptance range.

2-Butanone (MEK)
Acetone
Ethanol
Styrene

SW846 8260C

Spikes:

1424512-MSD1 *Source: SB98028-17RE1*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,3,5-Trichlorobenzene
2-Butanone (MEK)
2-Hexanone (MBK)
Acetone
Ethanol
Naphthalene
trans-1,4-Dichloro-2-butene

Samples:

S411759-CCV1

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2-Hexanone (MBK) (-22.4%)

This affected the following samples:

1424386-BLK1
1424386-BS1
1424386-BSD1
DUP-1-Soil
DUP-2-Soil

S411760-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Carbon tetrachloride (23.4%)

This affected the following samples:

1424387-BLK1
1424387-BS1
1424387-BSD1
1424387-MS1
1424387-MSD1
BB-DS-SEDV-06
TB-1-Soil

S411768-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2,2-Dichloropropane (20.6%)

This affected the following samples:

1424395-BLK1
1424395-BS1
1424395-BSD1
BB-DS-SWV-01
BB-DS-SWV-02

S411769-CCV1

SW846 8260C

Samples:

S411769-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2-Butanone (MEK) (-29.7%)

Di-isopropyl ether (-28.4%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2,2-Dichloropropane (26.2%)

This affected the following samples:

1424392-BLK1

1424392-BS1

1424392-BSD1

1424392-MS1

1424392-MSD1

BB-DS-SWV-03

BB-DS-SWV-04

BB-DS-SWV-05

BB-DS-SWV-06

BB-DS-SWV-07

BB-DS-SWV-08

DUP-1-SW

DUP-2-SW

TB-1-SW

SB98028-17

BB-DS-SEDV-06

Sample data reported for QC purposes only.

Sample Acceptance Check Form

Client: ENVIRON International Corporation - Portland, ME
Project: Envirote - Thomaston, CT / 08-14218G3
Work Order: SB98028
Sample(s) received on: 10/14/2014

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

| | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Were custody seals present? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Were custody seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Were samples received at a temperature of $\leq 6^{\circ}\text{C}$? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Were samples cooled on ice upon transfer to laboratory representative? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Were samples refrigerated upon transfer to laboratory representative? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. Were sample containers received intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Were samples accompanied by a Chain of Custody document? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Did sample container labels agree with Chain of Custody document? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Were samples received within method-specific holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Identification

BB-DS-SED-01

SB98028-01

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 09:40

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.90 | | mg/kg dry | 1.90 | 0.671 | 1 | SW846 6010C | 21-Oct-14 | 23-Oct-14 | EDT | 1424725 | X |
| 7440-39-3 | Barium | 24.8 | | mg/kg dry | 1.26 | 0.230 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7440-43-9 | Cadmium | < 0.632 | | mg/kg dry | 0.632 | 0.0847 | 1 | " | " | 23-Oct-14 | " | 1424725 | X |
| 7440-47-3 | Chromium | 7.31 | | mg/kg dry | 1.26 | 0.229 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 7.78 | | mg/kg dry | 1.26 | 0.173 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 9,050 | | mg/kg dry | 5.05 | 2.29 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7439-96-5 | Manganese | 216 | | mg/kg dry | 1.26 | 0.191 | 1 | " | " | 23-Oct-14 | " | 1424725 | X |
| 7440-23-5 | Sodium | 75.2 | | mg/kg dry | 31.6 | 7.09 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 9.12 | | mg/kg dry | 1.26 | 0.176 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 3.57 | | mg/kg dry | 1.90 | 0.879 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 30.0 | | mg/kg dry | 1.26 | 0.316 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 70.1 | % | | | | | 1 | SM2540 G Mod. | 15-Oct-14 | 15-Oct-14 | DT | 1424282 | |
| Total Organic Carbon | 498 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 21-Oct-14 | 21-Oct-14 | DJB | 1424886 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 5.43 | % Retained | | | | | 1 | ASTM D422 | 20-Oct-14 | 21-Oct-14 | EEM | 1424693 | |
| Fractional % Sieve #10 (4750-2000µm) | 3.36 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 14.0 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 33.9 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 31.7 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 7.58 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 3.81 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.277 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-DS-SEDV-01

SB98028-02

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 09:40

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|--|--------------------|------|-----------|------|------|----------|-------------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424387 | |
| <u>Re-analysis of Volatile Organic Compounds by SW846</u> | | | | | | | | | | | | | |
| <u>8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | | | | | | | |
| | | | | | | | | Initial weight: 11.59 g | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.2 | | µg/kg dry | 5.2 | 4.2 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 67-64-1 | Acetone | < 52.1 | | µg/kg dry | 52.1 | 27.5 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.2 | | µg/kg dry | 5.2 | 1.9 | 1 | " | " | " | " | " | X |
| 108-88-1 | Bromobenzene | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 5.2 | | µg/kg dry | 5.2 | 5.2 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.2 | | µg/kg dry | 5.2 | 4.1 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.2 | | µg/kg dry | 5.2 | 5.0 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.4 | | µg/kg dry | 10.4 | 10.3 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 52.1 | | µg/kg dry | 52.1 | 17.6 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.2 | | µg/kg dry | 5.2 | 4.3 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.2 | | µg/kg dry | 5.2 | 3.4 | 1 | " | " | " | " | " | X |
| 98-08-6 | tert-Butylbenzene | < 5.2 | | µg/kg dry | 5.2 | 3.7 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.4 | | µg/kg dry | 10.4 | 2.6 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 5.2 | | µg/kg dry | 5.2 | 2.5 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 1.8 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.4 | | µg/kg dry | 10.4 | 4.5 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.2 | | µg/kg dry | 5.2 | 2.7 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.4 | | µg/kg dry | 10.4 | 10.2 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.2 | | µg/kg dry | 5.2 | 2.3 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.2 | | µg/kg dry | 5.2 | 2.8 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.4 | | µg/kg dry | 10.4 | 6.8 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.2 | | µg/kg dry | 5.2 | 1.9 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.2 | | µg/kg dry | 5.2 | 1.2 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.2 | | µg/kg dry | 5.2 | 2.9 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 2.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 3.7 | 1 | " | " | " | " | " | X |
| 108-46-7 | 1,4-Dichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 2.9 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.4 | | µg/kg dry | 10.4 | 3.8 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.2 | | µg/kg dry | 5.2 | 2.0 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.2 | | µg/kg dry | 5.2 | 2.7 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.2 | | µg/kg dry | 5.2 | 1.8 | 1 | " | " | " | " | " | X |
| 158-90-5 | trans-1,2-Dichloroethene | < 5.2 | | µg/kg dry | 5.2 | 3.6 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.2 | | µg/kg dry | 5.2 | 2.4 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.2 | | µg/kg dry | 5.2 | 1.8 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.2 | | µg/kg dry | 5.2 | 3.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.2 | | µg/kg dry | 5.2 | 3.2 | 1 | " | " | " | " | " | X |
| 10061-01-6 | cis-1,3-Dichloropropene | < 5.2 | | µg/kg dry | 5.2 | 1.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.2 | | µg/kg dry | 5.2 | 2.6 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-DS-SEDV-01

SB98028-02

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 09:40

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-----------|----------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Re-analysis of Volatile Organic Compounds by SW846 | | | | | | | | | | | | | |
| 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| Initial weight: 11.59 g | | | | | | | | | | | | | |
| 100-41-4 | Ethylbenzene | < 5.2 | | µg/kg dry | 5.2 | 1.7 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 87-68-3 | Hexachlorobutadiene | < 5.2 | | µg/kg dry | 5.2 | 1.9 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 52.1 | | µg/kg dry | 52.1 | 12.0 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.2 | | µg/kg dry | 5.2 | 4.6 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 1834-04-4 | Methyl tert-butyl ether | < 5.2 | | µg/kg dry | 5.2 | 2.7 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 52.1 | | µg/kg dry | 52.1 | 16.2 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 10.4 | | µg/kg dry | 10.4 | 3.1 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.2 | | µg/kg dry | 5.2 | 2.1 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.2 | | µg/kg dry | 5.2 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.2 | | µg/kg dry | 5.2 | 3.4 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.2 | | µg/kg dry | 5.2 | 2.2 | 1 | " | " | " | " | " | X |
| 87-81-6 | 1,2,3-Trichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 3.7 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 3.0 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 1.2 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.2 | | µg/kg dry | 5.2 | 2.9 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.2 | | µg/kg dry | 5.2 | 2.1 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.2 | | µg/kg dry | 5.2 | 1.7 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.2 | | µg/kg dry | 5.2 | 3.6 | 1 | " | " | " | " | " | X |
| 98-16-4 | 1,2,3-Trichloropropane | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 5.2 | | µg/kg dry | 5.2 | 3.2 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.4 | | µg/kg dry | 10.4 | 3.0 | 1 | " | " | " | " | " | X |
| 95-47-8 | o-Xylene | < 5.2 | | µg/kg dry | 5.2 | 3.3 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.4 | | µg/kg dry | 10.4 | 7.7 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.2 | | µg/kg dry | 5.2 | 4.7 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.2 | | µg/kg dry | 5.2 | 3.0 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.2 | | µg/kg dry | 5.2 | 1.5 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.2 | | µg/kg dry | 5.2 | 1.4 | 1 | " | " | " | " | " | X |
| 75-85-0 | Tert-Butanol / butyl alcohol | < 52.1 | | µg/kg dry | 52.1 | 31.1 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 104 | | µg/kg dry | 104 | 70.3 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 26.1 | | µg/kg dry | 26.1 | 12.8 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2090 | | µg/kg dry | 2090 | 595 | 1 | " | " | " | " | " | X |
| Surrogate recoveries: | | | | | | | | | | | | | |
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 111 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification**BB-DS-SEDV-01**

SB98028-02

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 09:40

Received

14-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846

8260

Prepared by method SW846 5035A Soil (low level)Initial weight: 11.59 g

| | | | | | | | | | | | | |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 103 | | | 70-130 % | | | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|

General Chemistry Parameters

| | | | | | | | | | | | | |
|----------|------|------|---|--|--|---|--|---------------|-----------|-----------|----|---------|
| % Solids | 70.1 | SOLe | % | | | 1 | | SM2540 G Mod. | 15-Oct-14 | 15-Oct-14 | DT | 1424282 |
|----------|------|------|---|--|--|---|--|---------------|-----------|-----------|----|---------|

Sample Identification

BB-DS-SWV-01

SB98028-03

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 09:40

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | JEG | 1424395 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-96-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-90-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-DS-SWV-01

SB98028-03

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 09:40

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | JEG | 1424395 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-87-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-82-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 105 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 105 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-DS-SED-02

SB98028-04

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 09:55

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.99 | | mg/kg dry | 1.99 | 0.703 | 1 | SW846 6010C | 21-Oct-14 | 23-Oct-14 | EDT | 1424725 | X |
| 7440-39-3 | Barium | 30.3 | | mg/kg dry | 1.32 | 0.241 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7440-43-9 | Cadmium | < 0.662 | | mg/kg dry | 0.662 | 0.0887 | 1 | " | " | 23-Oct-14 | " | 1424725 | X |
| 7440-47-3 | Chromium | 8.52 | | mg/kg dry | 1.32 | 0.240 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 8.66 | | mg/kg dry | 1.32 | 0.181 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 9,590 | | mg/kg dry | 5.30 | 2.40 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7439-96-5 | Manganese | 199 | | mg/kg dry | 1.32 | 0.200 | 1 | " | " | 23-Oct-14 | " | 1424725 | X |
| 7440-23-5 | Sodium | 80.6 | | mg/kg dry | 33.1 | 7.43 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 9.67 | | mg/kg dry | 1.32 | 0.184 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 4.10 | | mg/kg dry | 1.99 | 0.922 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 28.3 | | mg/kg dry | 1.32 | 0.331 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 72.2 | % | | | | | 1 | SM2540 G Mod. | 15-Oct-14 | 15-Oct-14 | DT | 1424282 | |
| Total Organic Carbon | 540 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 21-Oct-14 | 21-Oct-14 | DJB | 1424886 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 35.8 | % Retained | | | | | 1 | ASTM D422 | 20-Oct-14 | 21-Oct-14 | EEM | 1424693 | |
| Fractional % Sieve #10 (4750-2000µm) | 13.6 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 16.3 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 16.6 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 12.7 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.171 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 4.56 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.313 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-DS-SEDV-02

SB98028-05

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 09:55

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|--------------------------------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424387 | |
| <u>Re-analysis of Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | <u>Initial weight: 15.37 g</u> | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 4.2 | | µg/kg dry | 4.2 | 3.4 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 67-64-1 | Acetone | < 41.8 | | µg/kg dry | 41.8 | 22.0 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 4.2 | | µg/kg dry | 4.2 | 2.8 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 4.2 | | µg/kg dry | 4.2 | 1.5 | 1 | " | " | " | " | " | X |
| 108-88-1 | Bromobenzene | < 4.2 | | µg/kg dry | 4.2 | 2.8 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 4.2 | | µg/kg dry | 4.2 | 4.1 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 4.2 | | µg/kg dry | 4.2 | 3.3 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 4.2 | | µg/kg dry | 4.2 | 4.0 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 8.4 | | µg/kg dry | 8.4 | 8.2 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 41.8 | | µg/kg dry | 41.8 | 14.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 4.2 | | µg/kg dry | 4.2 | 3.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 4.2 | | µg/kg dry | 4.2 | 2.7 | 1 | " | " | " | " | " | X |
| 98-08-6 | tert-Butylbenzene | < 4.2 | | µg/kg dry | 4.2 | 3.0 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 8.4 | | µg/kg dry | 8.4 | 2.1 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 4.2 | | µg/kg dry | 4.2 | 2.0 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 1.5 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 8.4 | | µg/kg dry | 8.4 | 3.6 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 4.2 | | µg/kg dry | 4.2 | 2.2 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 8.4 | | µg/kg dry | 8.4 | 8.2 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 4.2 | | µg/kg dry | 4.2 | 1.9 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 4.2 | | µg/kg dry | 4.2 | 2.2 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 8.4 | | µg/kg dry | 8.4 | 5.4 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 4.2 | | µg/kg dry | 4.2 | 1.5 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 4.2 | | µg/kg dry | 4.2 | 0.9 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 4.2 | | µg/kg dry | 4.2 | 2.3 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 2.0 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 3.0 | 1 | " | " | " | " | " | X |
| 108-46-7 | 1,4-Dichlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 2.3 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 8.4 | | µg/kg dry | 8.4 | 3.0 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 4.2 | | µg/kg dry | 4.2 | 1.6 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 4.2 | | µg/kg dry | 4.2 | 2.1 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 4.2 | | µg/kg dry | 4.2 | 2.8 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 4.2 | | µg/kg dry | 4.2 | 1.4 | 1 | " | " | " | " | " | X |
| 158-90-5 | trans-1,2-Dichloroethene | < 4.2 | | µg/kg dry | 4.2 | 2.9 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 4.2 | | µg/kg dry | 4.2 | 1.9 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 4.2 | | µg/kg dry | 4.2 | 1.5 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 4.2 | | µg/kg dry | 4.2 | 2.6 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 4.2 | | µg/kg dry | 4.2 | 2.5 | 1 | " | " | " | " | " | X |
| 10061-01-6 | cis-1,3-Dichloropropene | < 4.2 | | µg/kg dry | 4.2 | 1.1 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 4.2 | | µg/kg dry | 4.2 | 2.1 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-DS-SEDV-02

SB98028-05

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 09:55

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846

8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 15.37 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 100-41-4 | Ethylbenzene | < 4.2 | | µg/kg dry | 4.2 | 1.4 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 87-68-3 | Hexachlorobutadiene | < 4.2 | | µg/kg dry | 4.2 | 1.5 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 41.8 | | µg/kg dry | 41.8 | 9.6 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 4.2 | | µg/kg dry | 4.2 | 3.7 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 4.2 | | µg/kg dry | 4.2 | 2.5 | 1 | " | " | " | " | " | X |
| 1834-04-4 | Methyl tert-butyl ether | < 4.2 | | µg/kg dry | 4.2 | 2.2 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 41.8 | | µg/kg dry | 41.8 | 13.0 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 8.4 | | µg/kg dry | 8.4 | 2.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 4.2 | | µg/kg dry | 4.2 | 2.8 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 4.2 | | µg/kg dry | 4.2 | 1.7 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 4.2 | | µg/kg dry | 4.2 | 0.2 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 4.2 | | µg/kg dry | 4.2 | 2.5 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 4.2 | | µg/kg dry | 4.2 | 2.7 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 4.2 | | µg/kg dry | 4.2 | 2.8 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 4.2 | | µg/kg dry | 4.2 | 1.8 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 3.0 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 2.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 1.0 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 4.2 | | µg/kg dry | 4.2 | 2.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 4.2 | | µg/kg dry | 4.2 | 1.7 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 4.2 | | µg/kg dry | 4.2 | 1.3 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 4.2 | | µg/kg dry | 4.2 | 2.9 | 1 | " | " | " | " | " | X |
| 98-16-4 | 1,2,3-Trichloropropane | < 4.2 | | µg/kg dry | 4.2 | 2.5 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 4.2 | | µg/kg dry | 4.2 | 2.6 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 4.2 | | µg/kg dry | 4.2 | 2.5 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 4.2 | | µg/kg dry | 4.2 | 2.8 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 8.4 | | µg/kg dry | 8.4 | 2.4 | 1 | " | " | " | " | " | X |
| 95-47-8 | o-Xylene | < 4.2 | | µg/kg dry | 4.2 | 2.6 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 8.4 | | µg/kg dry | 8.4 | 6.1 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 4.2 | | µg/kg dry | 4.2 | 3.8 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 4.2 | | µg/kg dry | 4.2 | 2.4 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 4.2 | | µg/kg dry | 4.2 | 1.2 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 4.2 | | µg/kg dry | 4.2 | 1.1 | 1 | " | " | " | " | " | X |
| 75-85-0 | Tert-Butanol / butyl alcohol | < 41.8 | | µg/kg dry | 41.8 | 24.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 83.5 | | µg/kg dry | 83.5 | 56.3 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 20.9 | | µg/kg dry | 20.9 | 10.3 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1670 | | µg/kg dry | 1670 | 477 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 96 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 111 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-DS-SEDV-02

SB98028-05

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 09:55

Received

14-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846

8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 15.37 g

| | | | | | | | | | | | | |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 102 | | | 70-130 % | | | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|

General Chemistry Parameters

| | | | | | | | | | | | | |
|----------|------|-----|---|--|--|---|--|---------------|-----------|-----------|----|---------|
| % Solids | 72.2 | SOL | % | | | 1 | | SM2540 G Mod. | 15-Oct-14 | 15-Oct-14 | DT | 1424282 |
|----------|------|-----|---|--|--|---|--|---------------|-----------|-----------|----|---------|

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Sample Identification

BB-DS-SWV-02

SB98028-06

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 09:55

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | JEG | 1424395 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-96-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-90-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-DS-SWV-02

SB98028-06

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 09:55

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | JEG | 1424395 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-87-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-82-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 104 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 100 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-DS-SED-03

SB98028-07

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 10:15

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.97 | | mg/kg dry | 1.97 | 0.698 | 1 | SW846 6010C | 21-Oct-14 | 23-Oct-14 | EDT | 1424725 | X |
| 7440-39-3 | Barium | 23.0 | | mg/kg dry | 1.32 | 0.238 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7440-43-9 | Cadmium | < 0.658 | | mg/kg dry | 0.658 | 0.0881 | 1 | " | " | 23-Oct-14 | " | 1424725 | X |
| 7440-47-3 | Chromium | 6.21 | | mg/kg dry | 1.32 | 0.238 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 6.06 | | mg/kg dry | 1.32 | 0.180 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 7,790 | | mg/kg dry | 5.26 | 2.38 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7439-96-5 | Manganese | 124 | | mg/kg dry | 1.32 | 0.199 | 1 | " | " | 23-Oct-14 | " | 1424725 | X |
| 7440-23-5 | Sodium | 64.7 | | mg/kg dry | 32.9 | 7.38 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 8.14 | | mg/kg dry | 1.32 | 0.183 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 2.89 | | mg/kg dry | 1.97 | 0.915 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 23.6 | | mg/kg dry | 1.32 | 0.329 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 74.4 | % | | | | | 1 | SM2540 G Mod. | 15-Oct-14 | 15-Oct-14 | DT | 1424282 | |
| Total Organic Carbon | 841 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 21-Oct-14 | 21-Oct-14 | DJB | 1424886 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 13.9 | % Retained | | | | | 1 | ASTM D422 | 20-Oct-14 | 21-Oct-14 | EEM | 1424693 | |
| Fractional % Sieve #10 (4750-2000µm) | 11.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 14.3 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 23.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 28.0 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 6.65 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 1.27 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.246 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-DS-SEDV-03

SB98028-08

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 10:15

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|--------------------------------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424387 | |
| Re-analysis of Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | Initial weight: 12.22 g | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 4.5 | | µg/kg dry | 4.5 | 3.6 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 67-64-1 | Acetone | < 44.7 | | µg/kg dry | 44.7 | 23.8 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 4.5 | | µg/kg dry | 4.5 | 3.0 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 4.5 | | µg/kg dry | 4.5 | 1.6 | 1 | " | " | " | " | " | X |
| 108-88-1 | Bromobenzene | < 4.5 | | µg/kg dry | 4.5 | 3.0 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 4.5 | | µg/kg dry | 4.5 | 4.4 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 4.5 | | µg/kg dry | 4.5 | 3.5 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 4.5 | | µg/kg dry | 4.5 | 4.3 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 8.9 | | µg/kg dry | 8.9 | 8.8 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 44.7 | | µg/kg dry | 44.7 | 15.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 4.5 | | µg/kg dry | 4.5 | 3.7 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 4.5 | | µg/kg dry | 4.5 | 2.9 | 1 | " | " | " | " | " | X |
| 98-08-6 | tert-Butylbenzene | < 4.5 | | µg/kg dry | 4.5 | 3.2 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 8.9 | | µg/kg dry | 8.9 | 2.2 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 4.5 | | µg/kg dry | 4.5 | 2.2 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 1.6 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 8.9 | | µg/kg dry | 8.9 | 3.9 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 4.5 | | µg/kg dry | 4.5 | 2.3 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 8.9 | | µg/kg dry | 8.9 | 8.8 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 4.5 | | µg/kg dry | 4.5 | 2.0 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 4.5 | | µg/kg dry | 4.5 | 2.4 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 8.9 | | µg/kg dry | 8.9 | 5.8 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 4.5 | | µg/kg dry | 4.5 | 1.6 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 4.5 | | µg/kg dry | 4.5 | 1.0 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 4.5 | | µg/kg dry | 4.5 | 2.5 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 2.1 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 3.2 | 1 | " | " | " | " | " | X |
| 108-46-7 | 1,4-Dichlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 2.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 8.9 | | µg/kg dry | 8.9 | 3.2 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 4.5 | | µg/kg dry | 4.5 | 1.7 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 4.5 | | µg/kg dry | 4.5 | 2.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 4.5 | | µg/kg dry | 4.5 | 3.0 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 4.5 | | µg/kg dry | 4.5 | 1.5 | 1 | " | " | " | " | " | X |
| 158-90-5 | trans-1,2-Dichloroethene | < 4.5 | | µg/kg dry | 4.5 | 3.1 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 4.5 | | µg/kg dry | 4.5 | 2.0 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 4.5 | | µg/kg dry | 4.5 | 1.8 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 4.5 | | µg/kg dry | 4.5 | 2.8 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 4.5 | | µg/kg dry | 4.5 | 2.7 | 1 | " | " | " | " | " | X |
| 10061-01-6 | cis-1,3-Dichloropropene | < 4.5 | | µg/kg dry | 4.5 | 1.2 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 4.5 | | µg/kg dry | 4.5 | 2.3 | 1 | " | " | " | " | " | X |

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Sample Identification
BB-DS-SEDV-03
SB98028-08
Client Project #
08-14218G3
Matrix
Soil
Collection Date/Time
14-Oct-14 10:15
Received
14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-----------|----------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Re-analysis of Volatile Organic Compounds by SW846 | | | | | | | | | | | | | |
| 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| Initial weight: 12.22 g | | | | | | | | | | | | | |
| 100-41-4 | Ethylbenzene | < 4.5 | | µg/kg dry | 4.5 | 1.5 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 87-68-3 | Hexachlorobutadiene | < 4.5 | | µg/kg dry | 4.5 | 1.6 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 44.7 | | µg/kg dry | 44.7 | 10.3 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 4.5 | | µg/kg dry | 4.5 | 3.9 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 4.5 | | µg/kg dry | 4.5 | 2.6 | 1 | " | " | " | " | " | X |
| 1834-04-4 | Methyl tert-butyl ether | < 4.5 | | µg/kg dry | 4.5 | 2.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 44.7 | | µg/kg dry | 44.7 | 13.9 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 8.9 | | µg/kg dry | 8.9 | 2.7 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 4.5 | | µg/kg dry | 4.5 | 3.0 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 4.5 | | µg/kg dry | 4.5 | 1.8 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 4.5 | | µg/kg dry | 4.5 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 4.5 | | µg/kg dry | 4.5 | 2.7 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 4.5 | | µg/kg dry | 4.5 | 2.9 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 4.5 | | µg/kg dry | 4.5 | 3.0 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 4.5 | | µg/kg dry | 4.5 | 1.9 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 3.2 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 2.6 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 1.0 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 4.5 | | µg/kg dry | 4.5 | 2.5 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 4.5 | | µg/kg dry | 4.5 | 1.8 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 4.5 | | µg/kg dry | 4.5 | 1.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 4.5 | | µg/kg dry | 4.5 | 3.1 | 1 | " | " | " | " | " | X |
| 98-18-4 | 1,2,3-Trichloropropane | < 4.5 | | µg/kg dry | 4.5 | 2.7 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 4.5 | | µg/kg dry | 4.5 | 2.7 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 4.5 | | µg/kg dry | 4.5 | 2.7 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 4.5 | | µg/kg dry | 4.5 | 3.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 8.9 | | µg/kg dry | 8.9 | 2.6 | 1 | " | " | " | " | " | X |
| 95-47-8 | o-Xylene | < 4.5 | | µg/kg dry | 4.5 | 2.8 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 8.9 | | µg/kg dry | 8.9 | 6.6 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 4.5 | | µg/kg dry | 4.5 | 4.0 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 4.5 | | µg/kg dry | 4.5 | 2.6 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 4.5 | | µg/kg dry | 4.5 | 1.3 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 4.5 | | µg/kg dry | 4.5 | 1.2 | 1 | " | " | " | " | " | X |
| 75-85-0 | Tert-Butanol / butyl alcohol | < 44.7 | | µg/kg dry | 44.7 | 26.6 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 89.3 | | µg/kg dry | 89.3 | 60.2 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butenes | < 22.3 | | µg/kg dry | 22.3 | 11.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1790 | | µg/kg dry | 1790 | 510 | 1 | " | " | " | " | " | X |
| Surrogate recoveries: | | | | | | | | | | | | | |
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 112 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification**BB-DS-SEDV-03**

SB98028-08

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 10:15

Received

14-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846

8260

Prepared by method SW846 5035A Soil (low level)Initial weight: 12.22 g

| | | | | | | | | | | | | |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 103 | | | 70-130 % | | | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|

General Chemistry Parameters

| | | | | | | | | | | | | |
|----------|------|------|---|--|--|---|--|---------------|-----------|-----------|----|---------|
| % Solids | 74.4 | SOLg | % | | | 1 | | SM2540 G Mod. | 15-Oct-14 | 15-Oct-14 | DT | 1424282 |
|----------|------|------|---|--|--|---|--|---------------|-----------|-----------|----|---------|

Sample Identification

BB-DS-SWV-03

SB98028-09

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 10:15

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-96-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-90-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-DS-SWV-03

SB98028-09

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 10:15

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-87-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-82-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 96 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 103 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 82 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-DS-SED-04

SB98028-10

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 11:35

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.33 | | mg/kg dry | 2.33 | 0.823 | 1 | SW846 6010C | 21-Oct-14 | 23-Oct-14 | EDT | 1424725 | X |
| 7440-39-3 | Barium | 28.5 | | mg/kg dry | 1.55 | 0.282 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7440-43-9 | Cadmium | < 0.775 | | mg/kg dry | 0.775 | 0.104 | 1 | " | " | 23-Oct-14 | " | 1424725 | X |
| 7440-47-3 | Chromium | 9.45 | | mg/kg dry | 1.55 | 0.281 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 9.29 | | mg/kg dry | 1.55 | 0.212 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 8,810 | | mg/kg dry | 6.20 | 2.81 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7439-96-5 | Manganese | 153 | | mg/kg dry | 1.55 | 0.234 | 1 | " | " | 23-Oct-14 | " | 1424725 | X |
| 7440-23-5 | Sodium | 96.6 | | mg/kg dry | 38.8 | 8.70 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 9.76 | | mg/kg dry | 1.55 | 0.216 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 8.09 | | mg/kg dry | 2.33 | 1.08 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 37.2 | | mg/kg dry | 1.55 | 0.388 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 63.3 | % | | | | | 1 | SM2540 G Mod. | 15-Oct-14 | 16-Oct-14 | TDD | 1424283 | |
| Total Organic Carbon | 2,830 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 21-Oct-14 | 21-Oct-14 | DJB | 1424886 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 2.39 | % Retained | | | | | 1 | ASTM D422 | 20-Oct-14 | 21-Oct-14 | EEM | 1424693 | |
| Fractional % Sieve #10 (4750-2000µm) | 1.71 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 2.05 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 19.1 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 53.6 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 14.4 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 6.02 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.684 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-DS-SEDV-04

SB98028-11

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 11:35

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|-------------------------------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424387 | |
| <u>Re-analysis of Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | <u>Initial weight: 12.6 g</u> | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 6.0 | | µg/kg dry | 6.0 | 4.9 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 67-64-1 | Acetone | < 60.4 | | µg/kg dry | 60.4 | 31.9 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 6.0 | | µg/kg dry | 6.0 | 4.0 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 6.0 | | µg/kg dry | 6.0 | 2.2 | 1 | " | " | " | " | " | X |
| 108-88-1 | Bromobenzene | < 6.0 | | µg/kg dry | 6.0 | 4.1 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 6.0 | | µg/kg dry | 6.0 | 6.0 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 6.0 | | µg/kg dry | 6.0 | 4.7 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 6.0 | | µg/kg dry | 6.0 | 5.8 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 12.1 | | µg/kg dry | 12.1 | 11.9 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 60.4 | | µg/kg dry | 60.4 | 20.4 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 6.0 | | µg/kg dry | 6.0 | 5.0 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 6.0 | | µg/kg dry | 6.0 | 3.9 | 1 | " | " | " | " | " | X |
| 98-08-6 | tert-Butylbenzene | < 6.0 | | µg/kg dry | 6.0 | 4.3 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 12.1 | | µg/kg dry | 12.1 | 3.0 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 6.0 | | µg/kg dry | 6.0 | 2.9 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 6.0 | | µg/kg dry | 6.0 | 2.1 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 12.1 | | µg/kg dry | 12.1 | 5.2 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 6.0 | | µg/kg dry | 6.0 | 3.1 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 12.1 | | µg/kg dry | 12.1 | 11.8 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 6.0 | | µg/kg dry | 6.0 | 2.7 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 6.0 | | µg/kg dry | 6.0 | 3.2 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 12.1 | | µg/kg dry | 12.1 | 7.9 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 6.0 | | µg/kg dry | 6.0 | 2.2 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 6.0 | | µg/kg dry | 6.0 | 1.4 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 6.0 | | µg/kg dry | 6.0 | 3.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 6.0 | | µg/kg dry | 6.0 | 2.8 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 6.0 | | µg/kg dry | 6.0 | 4.3 | 1 | " | " | " | " | " | X |
| 108-46-7 | 1,4-Dichlorobenzene | < 6.0 | | µg/kg dry | 6.0 | 3.3 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 12.1 | | µg/kg dry | 12.1 | 4.4 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 6.0 | | µg/kg dry | 6.0 | 2.4 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 6.0 | | µg/kg dry | 6.0 | 3.1 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 6.0 | | µg/kg dry | 6.0 | 4.0 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 6.0 | | µg/kg dry | 6.0 | 2.0 | 1 | " | " | " | " | " | X |
| 158-90-5 | trans-1,2-Dichloroethene | < 6.0 | | µg/kg dry | 6.0 | 4.2 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 6.0 | | µg/kg dry | 6.0 | 2.7 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 6.0 | | µg/kg dry | 6.0 | 2.1 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 6.0 | | µg/kg dry | 6.0 | 3.8 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 6.0 | | µg/kg dry | 6.0 | 3.7 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 6.0 | | µg/kg dry | 6.0 | 1.6 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 6.0 | | µg/kg dry | 6.0 | 3.1 | 1 | " | " | " | " | " | X |

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Sample Identification
BB-DS-SEDV-04

SB98028-11

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 11:35

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-----------|----------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Re-analysis of Volatile Organic Compounds by SW846 | | | | | | | | | | | | | |
| 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| Initial weight: 12.6 g | | | | | | | | | | | | | |
| 100-41-4 | Ethylbenzene | < 6.0 | | µg/kg dry | 6.0 | 2.0 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 87-68-3 | Hexachlorobutadiene | < 6.0 | | µg/kg dry | 6.0 | 2.2 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 60.4 | | µg/kg dry | 60.4 | 13.9 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 6.0 | | µg/kg dry | 6.0 | 5.3 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 6.0 | | µg/kg dry | 6.0 | 3.6 | 1 | " | " | " | " | " | X |
| 1834-04-4 | Methyl tert-butyl ether | < 6.0 | | µg/kg dry | 6.0 | 3.2 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 60.4 | | µg/kg dry | 60.4 | 18.8 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 12.1 | | µg/kg dry | 12.1 | 3.6 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 6.0 | | µg/kg dry | 6.0 | 4.1 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 6.0 | | µg/kg dry | 6.0 | 2.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 6.0 | | µg/kg dry | 6.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 6.0 | | µg/kg dry | 6.0 | 3.6 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 6.0 | | µg/kg dry | 6.0 | 4.0 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 6.0 | | µg/kg dry | 6.0 | 4.1 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 6.0 | | µg/kg dry | 6.0 | 2.5 | 1 | " | " | " | " | " | X |
| 87-81-6 | 1,2,3-Trichlorobenzene | < 6.0 | | µg/kg dry | 6.0 | 4.3 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 6.0 | | µg/kg dry | 6.0 | 3.5 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 6.0 | | µg/kg dry | 6.0 | 1.4 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 6.0 | | µg/kg dry | 6.0 | 3.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 6.0 | | µg/kg dry | 6.0 | 2.4 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 6.0 | | µg/kg dry | 6.0 | 1.9 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 6.0 | | µg/kg dry | 6.0 | 4.1 | 1 | " | " | " | " | " | X |
| 98-18-4 | 1,2,3-Trichloropropane | < 6.0 | | µg/kg dry | 6.0 | 3.6 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 6.0 | | µg/kg dry | 6.0 | 3.7 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 6.0 | | µg/kg dry | 6.0 | 3.6 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 6.0 | | µg/kg dry | 6.0 | 4.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 12.1 | | µg/kg dry | 12.1 | 3.5 | 1 | " | " | " | " | " | X |
| 95-47-8 | o-Xylene | < 6.0 | | µg/kg dry | 6.0 | 3.8 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 12.1 | | µg/kg dry | 12.1 | 8.9 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 6.0 | | µg/kg dry | 6.0 | 5.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 6.0 | | µg/kg dry | 6.0 | 3.5 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 6.0 | | µg/kg dry | 6.0 | 1.8 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 6.0 | | µg/kg dry | 6.0 | 1.6 | 1 | " | " | " | " | " | X |
| 75-85-0 | Tert-Butanol / butyl alcohol | < 60.4 | | µg/kg dry | 60.4 | 36.0 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 121 | | µg/kg dry | 121 | 81.5 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 30.2 | | µg/kg dry | 30.2 | 14.9 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2420 | | µg/kg dry | 2420 | 689 | 1 | " | " | " | " | " | X |
| Surrogate recoveries: | | | | | | | | | | | | | |
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 113 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification**BB-DS-SEDV-04**

SB98028-11

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 11:35

Received

14-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846

8260

Prepared by method SW846 5035A Soil (low level)Initial weight: 12.6 g

| | | | | | | | | | | | | |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 102 | | | 70-130 % | | | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|

General Chemistry Parameters

| | | | | | | | | | | | | |
|----------|------|-----|---|--|--|---|--|---------------|-----------|-----------|-----|---------|
| % Solids | 63.3 | SOL | % | | | 1 | | SM2540 G Mod. | 15-Oct-14 | 16-Oct-14 | TDD | 1424283 |
|----------|------|-----|---|--|--|---|--|---------------|-----------|-----------|-----|---------|

Sample Identification

BB-DS-SWV-04

SB98028-12

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 11:35

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-96-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-DS-SWV-04

SB98028-12

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 11:35

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-87-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-82-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 96 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 104 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 84 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-DS-SED-05

SB98028-13

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 12:00

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.87 | | mg/kg dry | 1.87 | 0.660 | 1 | SW846 6010C | 21-Oct-14 | 23-Oct-14 | EDT | 1424725 | X |
| 7440-39-3 | Barium | 29.5 | | mg/kg dry | 1.24 | 0.226 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7440-43-9 | Cadmium | < 0.622 | | mg/kg dry | 0.622 | 0.0833 | 1 | " | " | 23-Oct-14 | " | 1424725 | X |
| 7440-47-3 | Chromium | 8.95 | | mg/kg dry | 1.24 | 0.225 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 6.42 | | mg/kg dry | 1.24 | 0.170 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 9,620 | | mg/kg dry | 4.97 | 2.25 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7439-96-5 | Manganese | 190 | | mg/kg dry | 1.24 | 0.188 | 1 | " | " | 23-Oct-14 | " | 1424725 | X |
| 7440-23-5 | Sodium | 78.7 | | mg/kg dry | 31.1 | 6.98 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 7.71 | | mg/kg dry | 1.24 | 0.173 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 2.77 | | mg/kg dry | 1.87 | 0.866 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 27.8 | | mg/kg dry | 1.24 | 0.311 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 76.1 | % | | | | | 1 | SM2540 G Mod. | 15-Oct-14 | 16-Oct-14 | TDD | 1424283 | |
| Total Organic Carbon | 1,530 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 21-Oct-14 | 21-Oct-14 | DJB | 1424886 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|------|------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 5.79 | % Retained | | | | | 1 | ASTM D422 | 20-Oct-14 | 21-Oct-14 | EEM | 1424693 | |
| Fractional % Sieve #10 (4750-2000µm) | 7.84 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 15.6 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 21.5 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 17.9 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 9.54 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 16.4 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 5.45 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-DS-SEDEV-05

SB98028-14

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 12:00

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|-------------------------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424387 | |
| <u>Re-analysis of Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | | | | | | | |
| | | | | | | Initial weight: 13.16 g | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 4.1 | | µg/kg dry | 4.1 | 3.3 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 67-64-1 | Acetone | < 40.6 | | µg/kg dry | 40.6 | 21.4 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 4.1 | | µg/kg dry | 4.1 | 1.5 | 1 | " | " | " | " | " | X |
| 108-88-1 | Bromobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 4.1 | | µg/kg dry | 4.1 | 4.0 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 4.1 | | µg/kg dry | 4.1 | 3.2 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 4.1 | | µg/kg dry | 4.1 | 3.9 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 8.1 | | µg/kg dry | 8.1 | 8.0 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 40.6 | | µg/kg dry | 40.6 | 13.7 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 4.1 | | µg/kg dry | 4.1 | 3.3 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 4.1 | | µg/kg dry | 4.1 | 2.6 | 1 | " | " | " | " | " | X |
| 98-08-6 | tert-Butylbenzene | < 4.1 | | µg/kg dry | 4.1 | 2.9 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 8.1 | | µg/kg dry | 8.1 | 2.0 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 4.1 | | µg/kg dry | 4.1 | 2.0 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 1.4 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 8.1 | | µg/kg dry | 8.1 | 3.5 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 4.1 | | µg/kg dry | 4.1 | 2.1 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 8.1 | | µg/kg dry | 8.1 | 8.0 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 4.1 | | µg/kg dry | 4.1 | 1.8 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 4.1 | | µg/kg dry | 4.1 | 2.1 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 8.1 | | µg/kg dry | 8.1 | 5.3 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 4.1 | | µg/kg dry | 4.1 | 1.5 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 4.1 | | µg/kg dry | 4.1 | 0.9 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 4.1 | | µg/kg dry | 4.1 | 2.3 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 1.9 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.9 | 1 | " | " | " | " | " | X |
| 108-46-7 | 1,4-Dichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.2 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 8.1 | | µg/kg dry | 8.1 | 3.0 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 4.1 | | µg/kg dry | 4.1 | 1.6 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 4.1 | | µg/kg dry | 4.1 | 2.1 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 4.1 | | µg/kg dry | 4.1 | 1.4 | 1 | " | " | " | " | " | X |
| 158-90-5 | trans-1,2-Dichloroethene | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 4.1 | | µg/kg dry | 4.1 | 1.8 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 4.1 | | µg/kg dry | 4.1 | 1.4 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 4.1 | | µg/kg dry | 4.1 | 2.6 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 4.1 | | µg/kg dry | 4.1 | 2.5 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 4.1 | | µg/kg dry | 4.1 | 1.1 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 4.1 | | µg/kg dry | 4.1 | 2.1 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-DS-SEDV-05

SB98028-14

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 12:00

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846

8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 13.16 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 100-41-4 | Ethylbenzene | < 4.1 | | µg/kg dry | 4.1 | 1.4 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 87-68-3 | Hexachlorobutadiene | < 4.1 | | µg/kg dry | 4.1 | 1.5 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 40.6 | | µg/kg dry | 40.6 | 9.4 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 4.1 | | µg/kg dry | 4.1 | 3.6 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 4.1 | | µg/kg dry | 4.1 | 2.4 | 1 | " | " | " | " | " | X |
| 1834-04-4 | Methyl tert-butyl ether | < 4.1 | | µg/kg dry | 4.1 | 2.1 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 40.6 | | µg/kg dry | 40.6 | 12.8 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 8.1 | | µg/kg dry | 8.1 | 2.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 4.1 | | µg/kg dry | 4.1 | 1.6 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 4.1 | | µg/kg dry | 4.1 | 0.2 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 4.1 | | µg/kg dry | 4.1 | 2.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 4.1 | | µg/kg dry | 4.1 | 1.7 | 1 | " | " | " | " | " | X |
| 87-81-6 | 1,2,3-Trichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.9 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 1.0 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 4.1 | | µg/kg dry | 4.1 | 2.3 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 4.1 | | µg/kg dry | 4.1 | 1.6 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 4.1 | | µg/kg dry | 4.1 | 1.3 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 98-18-4 | 1,2,3-Trichloropropane | < 4.1 | | µg/kg dry | 4.1 | 2.4 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 4.1 | | µg/kg dry | 4.1 | 2.5 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 4.1 | | µg/kg dry | 4.1 | 2.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 8.1 | | µg/kg dry | 8.1 | 2.3 | 1 | " | " | " | " | " | X |
| 95-47-8 | o-Xylene | < 4.1 | | µg/kg dry | 4.1 | 2.6 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 8.1 | | µg/kg dry | 8.1 | 6.0 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 4.1 | | µg/kg dry | 4.1 | 3.7 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 4.1 | | µg/kg dry | 4.1 | 2.4 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 4.1 | | µg/kg dry | 4.1 | 1.2 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 4.1 | | µg/kg dry | 4.1 | 1.1 | 1 | " | " | " | " | " | X |
| 75-85-0 | Tert-Butanol / butyl alcohol | < 40.6 | | µg/kg dry | 40.6 | 24.2 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 81.3 | | µg/kg dry | 81.3 | 54.8 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butenes | < 20.3 | | µg/kg dry | 20.3 | 10.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1630 | | µg/kg dry | 1630 | 484 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 114 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification**BB-DS-SEDV-05**

SB98028-14

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 12:00

Received

14-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846

8260

Prepared by method SW846 5035A Soil (low level)Initial weight: 13.16 g

| | | | | | | | | | | | | |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 104 | | | 70-130 % | | | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|

General Chemistry Parameters

| | | | | | | | | | | | | |
|----------|------|------|---|--|--|---|--|---------------|-----------|-----------|-----|---------|
| % Solids | 76.1 | SOLa | % | | | 1 | | SM2540 G Mod. | 15-Oct-14 | 16-Oct-14 | TDD | 1424283 |
|----------|------|------|---|--|--|---|--|---------------|-----------|-----------|-----|---------|

Sample Identification

BB-DS-SWV-05

SB98028-15

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 12:00

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-96-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-90-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-DS-SWV-05

SB98028-15

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 12:00

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-87-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-82-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 106 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 85 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-DS-SED-06

SB98028-16

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 12:30

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|---|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.00 | | mg/kg dry | 2.00 | 0.708 | 1 | SW846 6010C | 21-Oct-14 | 24-Oct-14 | EDT | 1424725 | X |
| 7440-39-3 | Barium | 32.4 | | mg/kg dry | 1.33 | 0.243 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7440-43-9 | Cadmium | < 0.667 | | mg/kg dry | 0.667 | 0.0894 | 1 | " | " | 24-Oct-14 | " | 1424725 | X |
| 7440-47-3 | Chromium | 8.40 | | mg/kg dry | 1.33 | 0.241 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 9.38 | | mg/kg dry | 1.33 | 0.183 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 9,670 | | mg/kg dry | 5.34 | 2.42 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7439-96-5 | Manganese | 159 | | mg/kg dry | 1.33 | 0.201 | 1 | " | " | 24-Oct-14 | " | 1424725 | X |
| 7440-23-5 | Sodium | 78.4 | | mg/kg dry | 33.3 | 7.49 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 9.94 | | mg/kg dry | 1.33 | 0.185 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 4.19 | | mg/kg dry | 2.00 | 0.928 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 34.8 | | mg/kg dry | 1.33 | 0.333 | 1 | " | " | " | " | " | X |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 70.3 | | % | | | 1 | SM2540 G Mod. | 15-Oct-14 | 16-Oct-14 | TDD | 1424283 | |
| | Total Organic Carbon | 1,120 | TOC 1 | mg/kg | 100 | 44.9 | 1 | Lloyd Kahn | 21-Oct-14 | 21-Oct-14 | DJB | 1424886 | X |
| Toxicity Characteristics | | | | | | | | | | | | | |
| <u>Grain Size - Reported as % retained.</u> | | | | | | | | | | | | | |
| <u>Prepared by method General Preparation</u> | | | | | | | | | | | | | |
| | Fractional % Sieve #4 (>4750µm) | 0.414 | | % Retained | | | 1 | ASTM D422 | 20-Oct-14 | 21-Oct-14 | EEM | 1424693 | |
| | Fractional % Sieve #10 (4750-2000µm) | 1.20 | | % Retained | | | 1 | " | " | " | " | " | |
| | Fractional % Sieve #20 (2000-850µm) | 5.18 | | % Retained | | | 1 | " | " | " | " | " | |
| | Fractional % Sieve #40 (850-425µm) | 26.3 | | % Retained | | | 1 | " | " | " | " | " | |
| | Fractional % Sieve #60 (425-250µm) | 44.5 | | % Retained | | | 1 | " | " | " | " | " | |
| | Fractional % Sieve #100 (250-150µm) | 2.03 | | % Retained | | | 1 | " | " | " | " | " | |
| | Fractional % Sieve #200 (150-75µm) | 18.7 | | % Retained | | | 1 | " | " | " | " | " | |
| | Fractional % Sieve #230 (less than 75µm) | 1.66 | | % Retained | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-DS-SEDV-06

SB98028-17

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 12:30

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|--|-----------------|------|-------------------------|------|------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424387 | |
| Volatile Organic Compounds by SW846 8260 | | | | QCR | | | | | | | | | |
| Prepared by method SW846 5035A Soil (high level) | | | | Initial weight: 28.26 g | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 295 | D | µg/kg dry | 295 | 239 | 50 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | SJB | 1424387 | X |
| 67-64-1 | Acetone | < 2950 | D | µg/kg dry | 2950 | 1550 | 50 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 295 | D | µg/kg dry | 295 | 197 | 50 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 295 | D | µg/kg dry | 295 | 106 | 50 | " | " | " | " | " | X |
| 106-96-1 | Bromobenzene | < 295 | D | µg/kg dry | 295 | 199 | 50 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 295 | D | µg/kg dry | 295 | 293 | 50 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 295 | D | µg/kg dry | 295 | 230 | 50 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 295 | D | µg/kg dry | 295 | 282 | 50 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 589 | D | µg/kg dry | 589 | 581 | 50 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 2950 | D | µg/kg dry | 2950 | 993 | 50 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 295 | D | µg/kg dry | 295 | 243 | 50 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 295 | D | µg/kg dry | 295 | 191 | 50 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 295 | D | µg/kg dry | 295 | 210 | 50 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 589 | D | µg/kg dry | 589 | 147 | 50 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 295 | D | µg/kg dry | 295 | 144 | 50 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 295 | D | µg/kg dry | 295 | 103 | 50 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 589 | D | µg/kg dry | 589 | 254 | 50 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 295 | D | µg/kg dry | 295 | 153 | 50 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 589 | D | µg/kg dry | 589 | 578 | 50 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 295 | D | µg/kg dry | 295 | 132 | 50 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 295 | D | µg/kg dry | 295 | 156 | 50 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 589 | D | µg/kg dry | 589 | 383 | 50 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 295 | D | µg/kg dry | 295 | 106 | 50 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 295 | D | µg/kg dry | 295 | 66.9 | 50 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 295 | D | µg/kg dry | 295 | 184 | 50 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 295 | D | µg/kg dry | 295 | 138 | 50 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 295 | D | µg/kg dry | 295 | 210 | 50 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 295 | D | µg/kg dry | 295 | 183 | 50 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 589 | D | µg/kg dry | 589 | 214 | 50 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 295 | D | µg/kg dry | 295 | 115 | 50 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 295 | D | µg/kg dry | 295 | 150 | 50 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 295 | D | µg/kg dry | 295 | 197 | 50 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 295 | D | µg/kg dry | 295 | 99.9 | 50 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 295 | D | µg/kg dry | 295 | 203 | 50 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 295 | D | µg/kg dry | 295 | 133 | 50 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 295 | D | µg/kg dry | 295 | 103 | 50 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 295 | D | µg/kg dry | 295 | 186 | 50 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 295 | D | µg/kg dry | 295 | 178 | 50 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 295 | D | µg/kg dry | 295 | 77.5 | 50 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 295 | D | µg/kg dry | 295 | 149 | 50 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 295 | D | µg/kg dry | 295 | 98.7 | 50 | " | " | " | " | " | X |

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Sample Identification
BB-DS-SEDV-06
SB98028-17
Client Project #
08-14218G3
Matrix
Soil
Collection Date/Time
14-Oct-14 12:30
Received
14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|----------|------|-------------------------|----------|-------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | QCR | | | | | | | | | |
| Prepared by method SW846 5035A Soil (high level) | | | | Initial weight: 28.26 g | | | | | | | | | |
| 87-68-3 | Hexachlorobutadiene | < 295 | D | µg/kg dry | 295 | 107 | 50 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | SJB | 1424387 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 2950 | D | µg/kg dry | 2950 | 678 | 50 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 295 | D | µg/kg dry | 295 | 258 | 50 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 295 | D | µg/kg dry | 295 | 175 | 50 | " | " | " | " | " | X |
| 1834-04-4 | Methyl tert-butyl ether | < 295 | D | µg/kg dry | 295 | 155 | 50 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 2950 | D | µg/kg dry | 2950 | 915 | 50 | " | " | " | " | " | X |
| 75-08-2 | Methylene chloride | < 589 | D | µg/kg dry | 589 | 178 | 50 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 295 | D | µg/kg dry | 295 | 200 | 50 | " | " | " | " | " | X |
| 103-85-1 | n-Propylbenzene | < 295 | D | µg/kg dry | 295 | 118 | 50 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 295 | D | µg/kg dry | 295 | 17.4 | 50 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 295 | D | µg/kg dry | 295 | 177 | 50 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 295 | D | µg/kg dry | 295 | 194 | 50 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 295 | D | µg/kg dry | 295 | 200 | 50 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 295 | D | µg/kg dry | 295 | 124 | 50 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 295 | D | µg/kg dry | 295 | 209 | 50 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 295 | D | µg/kg dry | 295 | 172 | 50 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 295 | D | µg/kg dry | 295 | 69.0 | 50 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 295 | D | µg/kg dry | 295 | 166 | 50 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 295 | D | µg/kg dry | 295 | 118 | 50 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 295 | D | µg/kg dry | 295 | 94.3 | 50 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 295 | D | µg/kg dry | 295 | 202 | 50 | " | " | " | " | " | X |
| 98-18-4 | 1,2,3-Trichloropropane | < 295 | D | µg/kg dry | 295 | 177 | 50 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 295 | D | µg/kg dry | 295 | 181 | 50 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 295 | D | µg/kg dry | 295 | 177 | 50 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 295 | D | µg/kg dry | 295 | 197 | 50 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 589 | D | µg/kg dry | 589 | 189 | 50 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 295 | D | µg/kg dry | 295 | 186 | 50 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 589 | D | µg/kg dry | 589 | 433 | 50 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 295 | D | µg/kg dry | 295 | 267 | 50 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 295 | D | µg/kg dry | 295 | 172 | 50 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 295 | D | µg/kg dry | 295 | 88.9 | 50 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 295 | D | µg/kg dry | 295 | 79.9 | 50 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 2950 | D | µg/kg dry | 2950 | 1760 | 50 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 5890 | D | µg/kg dry | 5890 | 3970 | 50 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 1470 | D | µg/kg dry | 1470 | 726 | 50 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 118000 | D | µg/kg dry | 118000 | 33600 | 50 | " | " | " | " | " | X |
| Surrogate recoveries: | | | | | | | | | | | | | |
| 460-00-4 | 4-Bromofluorobenzene | 108 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 108 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 102 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification
BB-DS-SEDV-06

SB98028-17

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 12:30

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|--|--------|------|-----------|------|-------------------------------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Re-analysis of Volatile Organic Compounds by SW846 | | | | | | | | | | | | | |
| 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | Initial weight: 9.92 g | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.7 | | µg/kg dry | 5.7 | 4.6 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 67-64-1 | Acetone | < 57.0 | | µg/kg dry | 57.0 | 30.1 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.7 | | µg/kg dry | 5.7 | 3.8 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.7 | | µg/kg dry | 5.7 | 2.1 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.7 | | µg/kg dry | 5.7 | 3.8 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.7 | | µg/kg dry | 5.7 | 5.7 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.7 | | µg/kg dry | 5.7 | 4.5 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.7 | | µg/kg dry | 5.7 | 5.5 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 11.4 | | µg/kg dry | 11.4 | 11.2 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 57.0 | | µg/kg dry | 57.0 | 19.2 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.7 | | µg/kg dry | 5.7 | 4.7 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.7 | | µg/kg dry | 5.7 | 3.7 | 1 | " | " | " | " | " | X |
| 98-08-6 | tert-Butylbenzene | < 5.7 | | µg/kg dry | 5.7 | 4.1 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 11.4 | | µg/kg dry | 11.4 | 2.9 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.7 | | µg/kg dry | 5.7 | 2.8 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.7 | | µg/kg dry | 5.7 | 2.0 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 11.4 | | µg/kg dry | 11.4 | 4.9 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.7 | | µg/kg dry | 5.7 | 3.0 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 11.4 | | µg/kg dry | 11.4 | 11.2 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.7 | | µg/kg dry | 5.7 | 2.6 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.7 | | µg/kg dry | 5.7 | 3.0 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 11.4 | | µg/kg dry | 11.4 | 7.4 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.7 | | µg/kg dry | 5.7 | 2.1 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.7 | | µg/kg dry | 5.7 | 1.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.7 | | µg/kg dry | 5.7 | 3.2 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.7 | | µg/kg dry | 5.7 | 2.7 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.7 | | µg/kg dry | 5.7 | 4.1 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.7 | | µg/kg dry | 5.7 | 3.2 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 11.4 | | µg/kg dry | 11.4 | 4.1 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.7 | | µg/kg dry | 5.7 | 2.2 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.7 | | µg/kg dry | 5.7 | 2.9 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.7 | | µg/kg dry | 5.7 | 3.8 | 1 | " | " | " | " | " | X |
| 158-59-2 | cis-1,2-Dichloroethene | < 5.7 | | µg/kg dry | 5.7 | 1.9 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.7 | | µg/kg dry | 5.7 | 3.9 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.7 | | µg/kg dry | 5.7 | 2.6 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.7 | | µg/kg dry | 5.7 | 2.0 | 1 | " | " | " | " | " | X |
| 584-20-7 | 2,2-Dichloropropane | < 5.7 | | µg/kg dry | 5.7 | 3.6 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.7 | | µg/kg dry | 5.7 | 3.5 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.7 | | µg/kg dry | 5.7 | 1.5 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.7 | | µg/kg dry | 5.7 | 2.9 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 5.7 | | µg/kg dry | 5.7 | 1.9 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 5.7 | | µg/kg dry | 5.7 | 2.1 | 1 | " | " | " | " | " | X |

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Sample Identification**BB-DS-SEDV-06**

SB98028-17

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 12:30

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846

8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 9.92 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 591-78-8 | 2-Hexanone (MBK) | < 57.0 | | µg/kg dry | 57.0 | 13.1 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 98-82-8 | Isopropylbenzene | < 5.7 | | µg/kg dry | 5.7 | 5.0 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.7 | | µg/kg dry | 5.7 | 3.4 | 1 | " | " | " | " | " | X |
| 1834-04-4 | Methyl tert-butyl ether | < 5.7 | | µg/kg dry | 5.7 | 3.0 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 57.0 | | µg/kg dry | 57.0 | 17.7 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 11.4 | | µg/kg dry | 11.4 | 3.4 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.7 | | µg/kg dry | 5.7 | 3.9 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.7 | | µg/kg dry | 5.7 | 2.3 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.7 | | µg/kg dry | 5.7 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.7 | | µg/kg dry | 5.7 | 3.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.7 | | µg/kg dry | 5.7 | 3.7 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.7 | | µg/kg dry | 5.7 | 3.9 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.7 | | µg/kg dry | 5.7 | 2.4 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.7 | | µg/kg dry | 5.7 | 4.0 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.7 | | µg/kg dry | 5.7 | 3.3 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.7 | | µg/kg dry | 5.7 | 1.3 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.7 | | µg/kg dry | 5.7 | 3.2 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.7 | | µg/kg dry | 5.7 | 2.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.7 | | µg/kg dry | 5.7 | 1.8 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.7 | | µg/kg dry | 5.7 | 3.9 | 1 | " | " | " | " | " | X |
| 98-18-4 | 1,2,3-Trichloropropane | < 5.7 | | µg/kg dry | 5.7 | 3.4 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 5.7 | | µg/kg dry | 5.7 | 3.5 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.7 | | µg/kg dry | 5.7 | 3.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.7 | | µg/kg dry | 5.7 | 3.8 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 11.4 | | µg/kg dry | 11.4 | 3.3 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.7 | | µg/kg dry | 5.7 | 3.6 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 11.4 | | µg/kg dry | 11.4 | 8.4 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 5.7 | | µg/kg dry | 5.7 | 5.2 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.7 | | µg/kg dry | 5.7 | 3.3 | 1 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | < 5.7 | | µg/kg dry | 5.7 | 1.7 | 1 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | < 5.7 | | µg/kg dry | 5.7 | 1.5 | 1 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 57.0 | | µg/kg dry | 57.0 | 34.0 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 114 | | µg/kg dry | 114 | 76.9 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 28.5 | | µg/kg dry | 28.5 | 14.1 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2280 | | µg/kg dry | 2280 | 651 | 1 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 110 | | | 70-130 % | | | " | " | " | " | " | |
| 1869-53-7 | Dibromofluoromethane | 102 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters*This laboratory report is not valid without an authorized signature on the cover page.*

| <u>Sample Identification</u> | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | | |
|------------------------------|------------|--------|------|-------------------------|---------------|-----------------------------|-----------------|---------------|-----------|-----------|---------|---------|-------|
| BB-DS-SEDV-06 | | | | 08-14218G3 | Soil | 14-Oct-14 12:30 | 14-Oct-14 | | | | | | |
| SB98028-17 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 70.3 | SOLb | % | | | 1 | SM2540 G Mod. | 15-Oct-14 | 16-Oct-14 | TDD | 1424283 | |

Sample Identification**BB-DS-SWV-06**

SB98028-18

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 12:30

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-96-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-90-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-DS-SWV-06

SB98028-18

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 12:30

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-87-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-82-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 105 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 97 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-DS-SED-07

SB98028-19

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 12:50

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.02 | | mg/kg dry | 2.02 | 0.717 | 1 | SW846 6010C | 21-Oct-14 | 24-Oct-14 | EDT | 1424725 | X |
| 7440-39-3 | Barium | 28.7 | | mg/kg dry | 1.35 | 0.246 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7440-43-9 | Cadmium | < 0.675 | | mg/kg dry | 0.675 | 0.0904 | 1 | " | " | 24-Oct-14 | " | 1424725 | X |
| 7440-47-3 | Chromium | 7.84 | | mg/kg dry | 1.35 | 0.244 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 10.3 | | mg/kg dry | 1.35 | 0.185 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 10,400 | | mg/kg dry | 5.40 | 2.45 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7439-96-5 | Manganese | 246 | | mg/kg dry | 1.35 | 0.204 | 1 | " | " | 24-Oct-14 | " | 1424725 | X |
| 7440-23-5 | Sodium | 76.2 | | mg/kg dry | 33.7 | 7.58 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 12.0 | | mg/kg dry | 1.35 | 0.188 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 5.56 | | mg/kg dry | 2.02 | 0.939 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 37.5 | | mg/kg dry | 1.35 | 0.337 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 69.5 | % | | | | | 1 | SM2540 G Mod. | 15-Oct-14 | 16-Oct-14 | TDD | 1424283 | |
| Total Organic Carbon | 2,850 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 21-Oct-14 | 21-Oct-14 | DJB | 1424886 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 14.5 | % Retained | | | | | 1 | ASTM D422 | 20-Oct-14 | 21-Oct-14 | EEM | 1424693 | |
| Fractional % Sieve #10 (4750-2000µm) | 8.97 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 24.4 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 30.5 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 15.7 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 2.95 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 2.30 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.727 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-DS-SEDEV-07

SB98028-20

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 12:50

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|--------------------------------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424387 | |
| <u>Re-analysis of Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | <u>Initial weight: 11.47 g</u> | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.3 | | µg/kg dry | 5.3 | 4.3 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 67-64-1 | Acetone | < 53.4 | | µg/kg dry | 53.4 | 28.1 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | " | " | " | " | " | X |
| 108-88-1 | Bromobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 5.3 | | µg/kg dry | 5.3 | 5.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.3 | | µg/kg dry | 5.3 | 4.2 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.3 | | µg/kg dry | 5.3 | 5.1 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.7 | | µg/kg dry | 10.7 | 10.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 53.4 | | µg/kg dry | 53.4 | 18.0 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.3 | | µg/kg dry | 5.3 | 4.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.3 | | µg/kg dry | 5.3 | 3.5 | 1 | " | " | " | " | " | X |
| 98-08-6 | tert-Butylbenzene | < 5.3 | | µg/kg dry | 5.3 | 3.8 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.7 | | µg/kg dry | 10.7 | 2.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 5.3 | | µg/kg dry | 5.3 | 2.6 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.7 | | µg/kg dry | 10.7 | 4.6 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.3 | | µg/kg dry | 5.3 | 2.8 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.7 | | µg/kg dry | 10.7 | 10.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.3 | | µg/kg dry | 5.3 | 2.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.3 | | µg/kg dry | 5.3 | 2.8 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.7 | | µg/kg dry | 10.7 | 6.9 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.3 | | µg/kg dry | 5.3 | 1.2 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.3 | | µg/kg dry | 5.3 | 3.0 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 2.5 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.8 | 1 | " | " | " | " | " | X |
| 108-46-7 | 1,4-Dichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.0 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.7 | | µg/kg dry | 10.7 | 3.9 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.3 | | µg/kg dry | 5.3 | 2.1 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.3 | | µg/kg dry | 5.3 | 2.7 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.3 | | µg/kg dry | 5.3 | 1.8 | 1 | " | " | " | " | " | X |
| 158-90-5 | trans-1,2-Dichloroethene | < 5.3 | | µg/kg dry | 5.3 | 3.7 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.3 | | µg/kg dry | 5.3 | 2.4 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.3 | | µg/kg dry | 5.3 | 3.4 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 10061-01-6 | cis-1,3-Dichloropropene | < 5.3 | | µg/kg dry | 5.3 | 1.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.3 | | µg/kg dry | 5.3 | 2.7 | 1 | " | " | " | " | " | X |

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Sample Identification
BB-DS-SEDV-07
SB98028-20
Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 12:50

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-----------|----------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Re-analysis of Volatile Organic Compounds by SW846 | | | | | | | | | | | | | |
| 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| Initial weight: 11.47 g | | | | | | | | | | | | | |
| 100-41-4 | Ethylbenzene | < 5.3 | | µg/kg dry | 5.3 | 1.8 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 87-68-3 | Hexachlorobutadiene | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 53.4 | | µg/kg dry | 53.4 | 12.3 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.3 | | µg/kg dry | 5.3 | 4.7 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 1834-04-4 | Methyl tert-butyl ether | < 5.3 | | µg/kg dry | 5.3 | 2.8 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 53.4 | | µg/kg dry | 53.4 | 16.6 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 10.7 | | µg/kg dry | 10.7 | 3.2 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.3 | | µg/kg dry | 5.3 | 2.1 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.3 | | µg/kg dry | 5.3 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.3 | | µg/kg dry | 5.3 | 3.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.3 | | µg/kg dry | 5.3 | 2.2 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.1 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 1.2 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.3 | | µg/kg dry | 5.3 | 3.0 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.3 | | µg/kg dry | 5.3 | 2.1 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.3 | | µg/kg dry | 5.3 | 1.7 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 98-16-4 | 1,2,3-Trichloropropane | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.3 | | µg/kg dry | 5.3 | 3.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.7 | | µg/kg dry | 10.7 | 3.1 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.3 | | µg/kg dry | 5.3 | 3.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.7 | | µg/kg dry | 10.7 | 7.8 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.3 | | µg/kg dry | 5.3 | 4.8 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.3 | | µg/kg dry | 5.3 | 3.1 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.3 | | µg/kg dry | 5.3 | 1.6 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.3 | | µg/kg dry | 5.3 | 1.4 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 53.4 | | µg/kg dry | 53.4 | 31.8 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 107 | | µg/kg dry | 107 | 71.9 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 26.7 | | µg/kg dry | 26.7 | 13.1 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2130 | | µg/kg dry | 2130 | 609 | 1 | " | " | " | " | " | X |
| Surrogate recoveries: | | | | | | | | | | | | | |
| 460-00-4 | 4-Bromofluorobenzene | 94 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 113 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification**BB-DS-SEDV-07**

SB98028-20

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 12:50

Received

14-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846

8260

Prepared by method SW846 5035A Soil (low level)Initial weight: 11.47 g

| | | | | | | | | | | | | |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 104 | | | 70-130 % | | | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|

General Chemistry Parameters

| | | | | | | | | | | | | |
|----------|------|------|---|--|--|---|--|---------------|-----------|-----------|-----|---------|
| % Solids | 69.5 | SOLc | % | | | 1 | | SM2540 G Mod. | 15-Oct-14 | 16-Oct-14 | TDD | 1424283 |
|----------|------|------|---|--|--|---|--|---------------|-----------|-----------|-----|---------|

Sample Identification

BB-DS-SWV-07

SB98028-21

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 12:50

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-96-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-90-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-DS-SWV-07

SB98028-21

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 12:50

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-87-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-82-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 107 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 84 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-DS-SED-08

SB98028-22

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 13:10

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.11 | | mg/kg dry | 2.11 | 0.745 | 1 | SW846 6010C | 21-Oct-14 | 24-Oct-14 | EDT | 1424725 | X |
| 7440-39-3 | Barium | 33.3 | | mg/kg dry | 1.40 | 0.255 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7440-43-9 | Cadmium | < 0.702 | | mg/kg dry | 0.702 | 0.0941 | 1 | " | " | 24-Oct-14 | " | 1424725 | X |
| 7440-47-3 | Chromium | 8.15 | | mg/kg dry | 1.40 | 0.254 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 9.09 | | mg/kg dry | 1.40 | 0.192 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 8,390 | | mg/kg dry | 5.62 | 2.55 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7439-96-5 | Manganese | 93.6 | | mg/kg dry | 1.40 | 0.212 | 1 | " | " | 24-Oct-14 | " | 1424725 | X |
| 7440-23-5 | Sodium | 79.7 | | mg/kg dry | 35.1 | 7.88 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 9.14 | | mg/kg dry | 1.40 | 0.195 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 5.97 | | mg/kg dry | 2.11 | 0.977 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 34.7 | | mg/kg dry | 1.40 | 0.351 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 67.4 | % | | | | | 1 | SM2540 G Mod. | 15-Oct-14 | 16-Oct-14 | TDD | 1424283 | |
| Total Organic Carbon | 828 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 21-Oct-14 | 21-Oct-14 | DJB | 1424886 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 1.20 | % Retained | | | | | 1 | ASTM D422 | 20-Oct-14 | 21-Oct-14 | EEM | 1424693 | |
| Fractional % Sieve #10 (4750-2000µm) | 1.20 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 6.77 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 27.9 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 44.3 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.287 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 17.6 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.803 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-DS-SEDV-08

SB98028-23

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 13:10

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|--------------------------------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424387 | |
| <u>Re-analysis of Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | <u>Initial weight: 12.36 g</u> | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.4 | | µg/kg dry | 5.4 | 4.4 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 67-64-1 | Acetone | < 54.1 | | µg/kg dry | 54.1 | 28.5 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.4 | | µg/kg dry | 5.4 | 3.6 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.4 | | µg/kg dry | 5.4 | 1.9 | 1 | " | " | " | " | " | X |
| 108-88-1 | Bromobenzene | < 5.4 | | µg/kg dry | 5.4 | 3.6 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 5.4 | | µg/kg dry | 5.4 | 5.4 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.4 | | µg/kg dry | 5.4 | 4.2 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.4 | | µg/kg dry | 5.4 | 5.2 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.8 | | µg/kg dry | 10.8 | 10.7 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 54.1 | | µg/kg dry | 54.1 | 18.2 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.4 | | µg/kg dry | 5.4 | 4.5 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.4 | | µg/kg dry | 5.4 | 3.5 | 1 | " | " | " | " | " | X |
| 98-08-6 | tert-Butylbenzene | < 5.4 | | µg/kg dry | 5.4 | 3.9 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.8 | | µg/kg dry | 10.8 | 2.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 5.4 | | µg/kg dry | 5.4 | 2.6 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.4 | | µg/kg dry | 5.4 | 1.9 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.8 | | µg/kg dry | 10.8 | 4.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.4 | | µg/kg dry | 5.4 | 2.8 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.8 | | µg/kg dry | 10.8 | 10.8 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.4 | | µg/kg dry | 5.4 | 2.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.4 | | µg/kg dry | 5.4 | 2.9 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.8 | | µg/kg dry | 10.8 | 7.0 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.4 | | µg/kg dry | 5.4 | 1.9 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.4 | | µg/kg dry | 5.4 | 1.2 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.4 | | µg/kg dry | 5.4 | 3.0 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.4 | | µg/kg dry | 5.4 | 2.5 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.4 | | µg/kg dry | 5.4 | 3.8 | 1 | " | " | " | " | " | X |
| 108-46-7 | 1,4-Dichlorobenzene | < 5.4 | | µg/kg dry | 5.4 | 3.0 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | < 10.8 | | µg/kg dry | 10.8 | 3.9 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.4 | | µg/kg dry | 5.4 | 2.1 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.4 | | µg/kg dry | 5.4 | 2.8 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.4 | | µg/kg dry | 5.4 | 3.6 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.4 | | µg/kg dry | 5.4 | 1.8 | 1 | " | " | " | " | " | X |
| 158-90-5 | trans-1,2-Dichloroethene | < 5.4 | | µg/kg dry | 5.4 | 3.7 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.4 | | µg/kg dry | 5.4 | 2.4 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.4 | | µg/kg dry | 5.4 | 1.9 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.4 | | µg/kg dry | 5.4 | 3.4 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.4 | | µg/kg dry | 5.4 | 3.3 | 1 | " | " | " | " | " | X |
| 10061-01-6 | cis-1,3-Dichloropropene | < 5.4 | | µg/kg dry | 5.4 | 1.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.4 | | µg/kg dry | 5.4 | 2.7 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-DS-SEDV-08

SB98028-23

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 13:10

Received

14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-----------|----------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Re-analysis of Volatile Organic Compounds by SW846 | | | | | | | | | | | | | |
| 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| Initial weight: 12.36 g | | | | | | | | | | | | | |
| 100-41-4 | Ethylbenzene | < 5.4 | | µg/kg dry | 5.4 | 1.8 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 87-68-3 | Hexachlorobutadiene | < 5.4 | | µg/kg dry | 5.4 | 2.0 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 54.1 | | µg/kg dry | 54.1 | 12.5 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.4 | | µg/kg dry | 5.4 | 4.7 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.4 | | µg/kg dry | 5.4 | 3.2 | 1 | " | " | " | " | " | X |
| 1834-04-4 | Methyl tert-butyl ether | < 5.4 | | µg/kg dry | 5.4 | 2.9 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 54.1 | | µg/kg dry | 54.1 | 18.8 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 10.8 | | µg/kg dry | 10.8 | 3.3 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.4 | | µg/kg dry | 5.4 | 3.7 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.4 | | µg/kg dry | 5.4 | 2.2 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.4 | | µg/kg dry | 5.4 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.4 | | µg/kg dry | 5.4 | 3.3 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.4 | | µg/kg dry | 5.4 | 3.6 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.4 | | µg/kg dry | 5.4 | 3.7 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.4 | | µg/kg dry | 5.4 | 2.3 | 1 | " | " | " | " | " | X |
| 87-81-6 | 1,2,3-Trichlorobenzene | < 5.4 | | µg/kg dry | 5.4 | 3.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.4 | | µg/kg dry | 5.4 | 3.2 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.4 | | µg/kg dry | 5.4 | 1.3 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.4 | | µg/kg dry | 5.4 | 3.0 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.4 | | µg/kg dry | 5.4 | 2.2 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 5.4 | | µg/kg dry | 5.4 | 1.7 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.4 | | µg/kg dry | 5.4 | 3.7 | 1 | " | " | " | " | " | X |
| 98-18-4 | 1,2,3-Trichloropropane | < 5.4 | | µg/kg dry | 5.4 | 3.3 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 5.4 | | µg/kg dry | 5.4 | 3.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.4 | | µg/kg dry | 5.4 | 3.2 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.4 | | µg/kg dry | 5.4 | 3.6 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.8 | | µg/kg dry | 10.8 | 3.1 | 1 | " | " | " | " | " | X |
| 95-47-8 | o-Xylene | < 5.4 | | µg/kg dry | 5.4 | 3.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.8 | | µg/kg dry | 10.8 | 7.9 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.4 | | µg/kg dry | 5.4 | 4.9 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.4 | | µg/kg dry | 5.4 | 3.2 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.4 | | µg/kg dry | 5.4 | 1.6 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.4 | | µg/kg dry | 5.4 | 1.5 | 1 | " | " | " | " | " | X |
| 75-85-0 | Tert-Butanol / butyl alcohol | < 54.1 | | µg/kg dry | 54.1 | 32.3 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 108 | | µg/kg dry | 108 | 73.0 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butenes | < 27.1 | | µg/kg dry | 27.1 | 13.3 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2170 | | µg/kg dry | 2170 | 618 | 1 | " | " | " | " | " | X |
| Surrogate recoveries: | | | | | | | | | | | | | |
| 460-00-4 | 4-Bromofluorobenzene | 96 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 117 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification**BB-DS-SEDV-08**

SB98028-23

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 13:10

Received

14-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846

8260

Prepared by method SW846 5035A Soil (low level)Initial weight: 12.36 g

| | | | | | | | | | | | | |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 104 | | | 70-130 % | | | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 |
|-----------|----------------------|-----|--|--|----------|--|--|-------------|-----------|-----------|-----|---------|

General Chemistry Parameters

| | | | | | | | | | | | | |
|----------|------|------|---|--|--|---|--|---------------|-----------|-----------|-----|---------|
| % Solids | 67.4 | SOLd | % | | | 1 | | SM2540 G Mod. | 15-Oct-14 | 16-Oct-14 | TDD | 1424283 |
|----------|------|------|---|--|--|---|--|---------------|-----------|-----------|-----|---------|

Sample Identification

BB-DS-SWV-08

SB98028-24

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 13:10

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-96-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-90-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-DS-SWV-08

SB98028-24

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 13:10

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-87-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-82-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 106 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 85 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

DUP-1-Soil
SB98028-25

Client Project #
08-14218G3

Matrix
Soil

Collection Date/Time
14-Oct-14 00:00

Received
14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|--------------------|------|-----------|------|-------------------------------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424387 | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | <u>Initial weight: 13.8 g</u> | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.0 | | µg/kg dry | 5.0 | 4.0 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | JEG | 1424386 | X |
| 67-64-1 | Acetone | < 50.0 | | µg/kg dry | 50.0 | 26.4 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.0 | | µg/kg dry | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.0 | | µg/kg dry | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 106-96-1 | Bromobenzene | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.0 | | µg/kg dry | 5.0 | 5.0 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.0 | | µg/kg dry | 5.0 | 3.9 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.0 | | µg/kg dry | 5.0 | 4.8 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.0 | | µg/kg dry | 10.0 | 9.9 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 50.0 | | µg/kg dry | 50.0 | 16.8 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.0 | | µg/kg dry | 5.0 | 4.1 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.0 | | µg/kg dry | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.0 | | µg/kg dry | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.0 | | µg/kg dry | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 5.0 | | µg/kg dry | 5.0 | 2.4 | 1 | " | " | " | " | " | X |
| 106-90-7 | Chlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.0 | | µg/kg dry | 10.0 | 4.3 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.0 | | µg/kg dry | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.0 | | µg/kg dry | 10.0 | 9.8 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.0 | | µg/kg dry | 5.0 | 2.2 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.0 | | µg/kg dry | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.0 | | µg/kg dry | 10.0 | 6.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.0 | | µg/kg dry | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.0 | | µg/kg dry | 5.0 | 1.1 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.0 | | µg/kg dry | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 2.3 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.0 | | µg/kg dry | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.0 | | µg/kg dry | 5.0 | 1.9 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.0 | | µg/kg dry | 5.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.0 | | µg/kg dry | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.0 | | µg/kg dry | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.0 | | µg/kg dry | 5.0 | 2.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.0 | | µg/kg dry | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.0 | | µg/kg dry | 5.0 | 3.1 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.0 | | µg/kg dry | 5.0 | 1.3 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.0 | | µg/kg dry | 5.0 | 2.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 5.0 | | µg/kg dry | 5.0 | 1.7 | 1 | " | " | " | " | " | X |

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Sample Identification

DUP-1-Soil
SB98028-25

Client Project #
08-14218G3

Matrix
Soil

Collection Date/Time
14-Oct-14 00:00

Received
14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| Initial weight: 13.8 g | | | | | | | | | | | | | |
| 87-68-3 | Hexachlorobutadiene | < 5.0 | | µg/kg dry | 5.0 | 1.8 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | JEG | 1424386 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 50.0 | | µg/kg dry | 50.0 | 11.5 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.0 | | µg/kg dry | 5.0 | 4.4 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 1834-04-4 | Methyl tert-butyl ether | < 5.0 | | µg/kg dry | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 50.0 | | µg/kg dry | 50.0 | 15.5 | 1 | " | " | " | " | " | X |
| 75-08-2 | Methylene chloride | < 10.0 | | µg/kg dry | 10.0 | 3.0 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 103-85-1 | n-Propylbenzene | < 5.0 | | µg/kg dry | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.0 | | µg/kg dry | 5.0 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.0 | | µg/kg dry | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.0 | | µg/kg dry | 5.0 | 2.1 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 3.5 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 2.9 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 1.2 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.0 | | µg/kg dry | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.0 | | µg/kg dry | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.0 | | µg/kg dry | 5.0 | 1.6 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 98-18-4 | 1,2,3-Trichloropropane | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 5.0 | | µg/kg dry | 5.0 | 3.1 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.0 | | µg/kg dry | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.0 | | µg/kg dry | 10.0 | 2.9 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.0 | | µg/kg dry | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.0 | | µg/kg dry | 10.0 | 7.3 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.0 | | µg/kg dry | 5.0 | 4.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.0 | | µg/kg dry | 5.0 | 2.9 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.0 | | µg/kg dry | 5.0 | 1.5 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.0 | | µg/kg dry | 5.0 | 1.4 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 50.0 | | µg/kg dry | 50.0 | 29.8 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 99.9 | | µg/kg dry | 99.9 | 67.4 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 25.0 | | µg/kg dry | 25.0 | 12.3 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2000 | | µg/kg dry | 2000 | 570 | 1 | " | " | " | " | " | X |
| Surrogate recoveries: | | | | | | | | | | | | | |
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 110 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 101 | | | 70-130 % | | | " | " | " | " | " | |
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |

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Sample Identification

DUP-1-Soil
SB98028-25

Client Project #
08-14218G3

Matrix
Soil

Collection Date/Time
14-Oct-14 00:00

Received
14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|------------|---------|------|-----------|-------|--------|----------|-------------|-----------|-----------|---------|---------|-------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.10 | | mg/kg dry | 2.10 | 0.742 | 1 | SW846 6010C | 21-Oct-14 | 24-Oct-14 | EDT | 1424725 | X |
| 7440-39-3 | Barium | 28.6 | | mg/kg dry | 1.40 | 0.254 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7440-43-9 | Cadmium | < 0.699 | | mg/kg dry | 0.699 | 0.0837 | 1 | " | " | 24-Oct-14 | " | 1424725 | X |
| 7440-47-3 | Chromium | 8.00 | | mg/kg dry | 1.40 | 0.253 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 8.61 | | mg/kg dry | 1.40 | 0.192 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 7,770 | | mg/kg dry | 5.59 | 2.53 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7439-96-5 | Manganese | 131 | | mg/kg dry | 1.40 | 0.211 | 1 | " | " | 24-Oct-14 | " | 1424725 | X |
| 7440-23-5 | Sodium | 79.7 | | mg/kg dry | 35.0 | 7.85 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 9.16 | | mg/kg dry | 1.40 | 0.194 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 5.07 | | mg/kg dry | 2.10 | 0.973 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 32.5 | | mg/kg dry | 1.40 | 0.350 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 68.1 | % | | | | | 1 | SM2540 G Mod. | 15-Oct-14 | 16-Oct-14 | TDD | 1424283 | |
| Total Organic Carbon | 828 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 21-Oct-14 | 21-Oct-14 | DJB | 1424886 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 1.19 | % Retained | | | | | 1 | ASTM D422 | 20-Oct-14 | 21-Oct-14 | EEM | 1424693 | |
| Fractional % Sieve #10 (4750-2000µm) | 1.27 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 1.98 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 20.7 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 53.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 15.9 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 4.59 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.554 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

DUP-2-Soil
SB98028-26

Client Project #
08-14218G3

Matrix
Soil

Collection Date/Time
14-Oct-14 00:00

Received
14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|--------------------------------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424387 | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | Initial weight: 12.87 g | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.0 | | µg/kg dry | 5.0 | 4.1 | 1 | SW846 8280C | 16-Oct-14 | 17-Oct-14 | JEG | 1424386 | X |
| 67-64-1 | Acetone | < 50.4 | | µg/kg dry | 50.4 | 26.8 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.0 | | µg/kg dry | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 106-96-1 | Bromobenzene | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.0 | | µg/kg dry | 5.0 | 5.0 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.0 | | µg/kg dry | 5.0 | 3.9 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.0 | | µg/kg dry | 5.0 | 4.8 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.1 | | µg/kg dry | 10.1 | 9.9 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 50.4 | | µg/kg dry | 50.4 | 17.0 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.0 | | µg/kg dry | 5.0 | 4.2 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.0 | | µg/kg dry | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.0 | | µg/kg dry | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.1 | | µg/kg dry | 10.1 | 2.5 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 5.0 | | µg/kg dry | 5.0 | 2.5 | 1 | " | " | " | " | " | X |
| 106-90-7 | Chlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.1 | | µg/kg dry | 10.1 | 4.3 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.0 | | µg/kg dry | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.1 | | µg/kg dry | 10.1 | 9.9 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.0 | | µg/kg dry | 5.0 | 2.3 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.0 | | µg/kg dry | 5.0 | 2.7 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.1 | | µg/kg dry | 10.1 | 6.6 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.0 | | µg/kg dry | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.0 | | µg/kg dry | 5.0 | 1.1 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.0 | | µg/kg dry | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 2.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.1 | | µg/kg dry | 10.1 | 3.7 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.0 | | µg/kg dry | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.0 | | µg/kg dry | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.0 | | µg/kg dry | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.0 | | µg/kg dry | 5.0 | 3.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.0 | | µg/kg dry | 5.0 | 2.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.0 | | µg/kg dry | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.0 | | µg/kg dry | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.0 | | µg/kg dry | 5.0 | 1.3 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.0 | | µg/kg dry | 5.0 | 2.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 5.0 | | µg/kg dry | 5.0 | 1.7 | 1 | " | " | " | " | " | X |

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Sample Identification

DUP-2-Soil
SB98028-26

Client Project #
08-14218G3

Matrix
Soil

Collection Date/Time
14-Oct-14 00:00

Received
14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| Initial weight: 12.87 g | | | | | | | | | | | | | |
| 87-68-3 | Hexachlorobutadiene | < 5.0 | | µg/kg dry | 5.0 | 1.8 | 1 | SW846 8280C | 16-Oct-14 | 17-Oct-14 | JEG | 1424386 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 50.4 | | µg/kg dry | 50.4 | 11.6 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.0 | | µg/kg dry | 5.0 | 4.4 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 1834-04-4 | Methyl tert-butyl ether | < 5.0 | | µg/kg dry | 5.0 | 2.7 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 50.4 | | µg/kg dry | 50.4 | 15.6 | 1 | " | " | " | " | " | X |
| 75-08-2 | Methylene chloride | < 10.1 | | µg/kg dry | 10.1 | 3.0 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 103-85-1 | n-Propylbenzene | < 5.0 | | µg/kg dry | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.0 | | µg/kg dry | 5.0 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.0 | | µg/kg dry | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.0 | | µg/kg dry | 5.0 | 2.1 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 2.9 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 1.2 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.0 | | µg/kg dry | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.0 | | µg/kg dry | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.0 | | µg/kg dry | 5.0 | 1.6 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 98-18-4 | 1,2,3-Trichloropropane | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 5.0 | | µg/kg dry | 5.0 | 3.1 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.1 | | µg/kg dry | 10.1 | 2.9 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.0 | | µg/kg dry | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.1 | | µg/kg dry | 10.1 | 7.4 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.0 | | µg/kg dry | 5.0 | 4.6 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.0 | | µg/kg dry | 5.0 | 2.9 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.0 | | µg/kg dry | 5.0 | 1.5 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.0 | | µg/kg dry | 5.0 | 1.4 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 50.4 | | µg/kg dry | 50.4 | 30.0 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 101 | | µg/kg dry | 101 | 67.9 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 25.2 | | µg/kg dry | 25.2 | 12.4 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2020 | | µg/kg dry | 2020 | 575 | 1 | " | " | " | " | " | X |
| Surrogate recoveries: | | | | | | | | | | | | | |
| 460-00-4 | 4-Bromofluorobenzene | 94 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 113 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 104 | | | 70-130 % | | | " | " | " | " | " | |
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |

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Sample Identification

DUP-2-Soil
SB98028-26

Client Project #
08-14218G3

Matrix
Soil

Collection Date/Time
14-Oct-14 00:00

Received
14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|------------|---------|------|-----------|-------|--------|----------|-------------|-----------|-----------|---------|---------|-------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.09 | | mg/kg dry | 2.09 | 0.741 | 1 | SW846 6010C | 21-Oct-14 | 24-Oct-14 | EDT | 1424725 | X |
| 7440-39-3 | Barium | 25.0 | | mg/kg dry | 1.39 | 0.254 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7440-43-9 | Cadmium | < 0.697 | | mg/kg dry | 0.697 | 0.0834 | 1 | " | " | 24-Oct-14 | " | 1424725 | X |
| 7440-47-3 | Chromium | 6.19 | | mg/kg dry | 1.39 | 0.252 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 8.81 | | mg/kg dry | 1.39 | 0.191 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 7,570 | | mg/kg dry | 5.58 | 2.53 | 1 | " | " | 27-Oct-14 | " | 1425320 | X |
| 7439-96-5 | Manganese | 232 | | mg/kg dry | 1.39 | 0.211 | 1 | " | " | 24-Oct-14 | " | 1424725 | X |
| 7440-23-5 | Sodium | 65.4 | | mg/kg dry | 34.9 | 7.83 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 8.44 | | mg/kg dry | 1.39 | 0.194 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 5.51 | | mg/kg dry | 2.09 | 0.971 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 33.4 | | mg/kg dry | 1.39 | 0.349 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 69.2 | % | | | | | 1 | SM2540 G Mod. | 15-Oct-14 | 16-Oct-14 | TDD | 1424283 | |
| Total Organic Carbon | 847 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 21-Oct-14 | 21-Oct-14 | DJB | 1424886 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 29.4 | % Retained | | | | | 1 | ASTM D422 | 20-Oct-14 | 21-Oct-14 | EEM | 1424693 | |
| Fractional % Sieve #10 (4750-2000µm) | 6.63 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 18.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 24.6 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 14.6 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 3.01 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 2.08 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.929 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

| | | | | |
|------------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-1-Soil | Client Project # | Matrix | Collection Date/Time | Received |
| SB98028-27 | 08-14218G3 | Trip Blank | 14-Oct-14 08:00 | 14-Oct-14 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|--------|------|-----------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (high level) | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 50.0 | D | µg/kg wet | 50.0 | 40.5 | 50 | SW846 8260C | 16-Oct-14 | 16-Oct-14 | SJB | 1424387 | X |
| 67-64-1 | Acetone | < 500 | D | µg/kg wet | 500 | 264 | 50 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 50.0 | D | µg/kg wet | 50.0 | 33.4 | 50 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 50.0 | D | µg/kg wet | 50.0 | 18.0 | 50 | " | " | " | " | " | X |
| 108-96-1 | Bromobenzene | < 50.0 | D | µg/kg wet | 50.0 | 33.7 | 50 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | 49.6 | 50 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 50.0 | D | µg/kg wet | 50.0 | 39.0 | 50 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 50.0 | D | µg/kg wet | 50.0 | 47.9 | 50 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 100 | D | µg/kg wet | 100 | 98.6 | 50 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 500 | D | µg/kg wet | 500 | 169 | 50 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 41.2 | 50 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 32.4 | 50 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 35.6 | 50 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 100 | D | µg/kg wet | 100 | 25.0 | 50 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 50.0 | D | µg/kg wet | 50.0 | 24.4 | 50 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 17.5 | 50 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 100 | D | µg/kg wet | 100 | 43.2 | 50 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 50.0 | D | µg/kg wet | 50.0 | 26.0 | 50 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 100 | D | µg/kg wet | 100 | 98.0 | 50 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | 22.4 | 50 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | 26.4 | 50 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 100 | D | µg/kg wet | 100 | 65.0 | 50 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | 18.0 | 50 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 50.0 | D | µg/kg wet | 50.0 | 11.4 | 50 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 50.0 | D | µg/kg wet | 50.0 | 27.8 | 50 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 23.4 | 50 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 35.6 | 50 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 27.8 | 50 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 100 | D | µg/kg wet | 100 | 36.4 | 50 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | 19.5 | 50 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | 25.4 | 50 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | 33.4 | 50 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | 17.0 | 50 | " | " | " | " | " | X |
| 156-90-5 | trans-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | 34.4 | 50 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | 22.6 | 50 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | 17.5 | 50 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | 31.5 | 50 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | 30.2 | 50 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | 13.2 | 50 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | 25.3 | 50 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 16.8 | 50 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 50.0 | D | µg/kg wet | 50.0 | 18.2 | 50 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 500 | D | µg/kg wet | 500 | 115 | 50 | " | " | " | " | " | X |

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Sample Identification

| | | | | |
|------------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-1-Soil | Client Project # | Matrix | Collection Date/Time | Received |
| SB98028-27 | 08-14218G3 | Trip Blank | 14-Oct-14 08:00 | 14-Oct-14 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (high level)

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|---------|---|-----------|-------|------|----|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 43.7 | 50 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | SJB | 1424387 | X |
| 99-87-6 | 4-Isopropyltoluene | < 50.0 | D | µg/kg wet | 50.0 | 29.6 | 50 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | 26.4 | 50 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 500 | D | µg/kg wet | 500 | 155 | 50 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 100 | D | µg/kg wet | 100 | 30.2 | 50 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 50.0 | D | µg/kg wet | 50.0 | 34.0 | 50 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 20.1 | 50 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 50.0 | D | µg/kg wet | 50.0 | 3.0 | 50 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | 30.0 | 50 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | 32.8 | 50 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 50.0 | D | µg/kg wet | 50.0 | 34.0 | 50 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 50.0 | D | µg/kg wet | 50.0 | 21.0 | 50 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 35.5 | 50 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 29.2 | 50 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 11.7 | 50 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | 28.2 | 50 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | 20.1 | 50 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 50.0 | D | µg/kg wet | 50.0 | 16.0 | 50 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 50.0 | D | µg/kg wet | 50.0 | 34.2 | 50 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 50.0 | D | µg/kg wet | 50.0 | 30.0 | 50 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 30.6 | 50 | " | " | " | " | " | X |
| 108-87-8 | 1,3,5-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 30.0 | 50 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 50.0 | D | µg/kg wet | 50.0 | 33.4 | 50 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 100 | D | µg/kg wet | 100 | 28.8 | 50 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 50.0 | D | µg/kg wet | 50.0 | 31.6 | 50 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 100 | D | µg/kg wet | 100 | 73.4 | 50 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 50.0 | D | µg/kg wet | 50.0 | 45.2 | 50 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 50.0 | D | µg/kg wet | 50.0 | 29.2 | 50 | " | " | " | " | " | |
| 637-82-3 | Ethyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | 14.8 | 50 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | < 50.0 | D | µg/kg wet | 50.0 | 13.6 | 50 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 500 | D | µg/kg wet | 500 | 298 | 50 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 1000 | D | µg/kg wet | 1000 | 674 | 50 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 250 | D | µg/kg wet | 250 | 123 | 50 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 20000 | D | µg/kg wet | 20000 | 5700 | 50 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|----------|---|---|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 106 | | 70-130 % | " | " | " | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 100 | | 70-130 % | " | " | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 111 | | 70-130 % | " | " | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 104 | | 70-130 % | " | " | " | " | " | " | " | " | |

Re-analysis of Volatile Organic Compounds by SW846

8260

Prepared by method SW846 5035A Soil (low level)

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Sample Identification

| | | | | |
|------------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-1-Soil | Client Project # | Matrix | Collection Date/Time | Received |
| SB98028-27 | 08-14218G3 | Trip Blank | 14-Oct-14 08:00 | 14-Oct-14 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|--------|------|-----------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Re-analysis of Volatile Organic Compounds by SW846 | | | | | | | | | | | | | |
| 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| 78-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.0 | | µg/kg wet | 5.0 | 4.0 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 67-64-1 | Acetone | < 50.0 | | µg/kg wet | 50.0 | 26.4 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.0 | | µg/kg wet | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 5.0 | | µg/kg wet | 5.0 | 5.0 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.0 | | µg/kg wet | 5.0 | 3.9 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.0 | | µg/kg wet | 5.0 | 4.8 | 1 | " | " | " | " | " | X |
| 74-83-8 | Bromomethane | < 10.0 | | µg/kg wet | 10.0 | 9.9 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 50.0 | | µg/kg wet | 50.0 | 16.9 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | 4.1 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.0 | | µg/kg wet | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 5.0 | | µg/kg wet | 5.0 | 2.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.0 | | µg/kg wet | 10.0 | 4.3 | 1 | " | " | " | " | " | X |
| 67-68-3 | Chloroform | < 5.0 | | µg/kg wet | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.0 | | µg/kg wet | 10.0 | 9.8 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | 2.2 | 1 | " | " | " | " | " | X |
| 108-43-4 | 4-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 10.0 | | µg/kg wet | 10.0 | 6.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 108-93-4 | 1,2-Dibromoethane (EDB) | < 5.0 | | µg/kg wet | 5.0 | 1.1 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.0 | | µg/kg wet | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 2.3 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 108-46-7 | 1,4-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.0 | | µg/kg wet | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 158-59-2 | cis-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 158-90-5 | trans-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | 2.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | 1.3 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | 2.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 5.0 | | µg/kg wet | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |

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Sample Identification

| | | | | |
|------------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-1-Soil | Client Project # | Matrix | Collection Date/Time | Received |
| SB98028-27 | 08-14218G3 | Trip Blank | 14-Oct-14 08:00 | 14-Oct-14 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds by SW846

8260

Prepared by method SW846 5035A Soil (low level)

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 591-78-6 | 2-Hexanone (MBK) | < 50.0 | | µg/kg wet | 50.0 | 11.5 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 98-82-8 | Isopropylbenzene | < 5.0 | | µg/kg wet | 5.0 | 4.4 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 1834-04-4 | Methyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 50.0 | | µg/kg wet | 50.0 | 15.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 10.0 | | µg/kg wet | 10.0 | 3.0 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.0 | | µg/kg wet | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.0 | | µg/kg wet | 5.0 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.0 | | µg/kg wet | 5.0 | 2.1 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 2.9 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 1.2 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.0 | | µg/kg wet | 5.0 | 1.6 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 98-18-4 | 1,2,3-Trichloropropane | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | 3.1 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.0 | | µg/kg wet | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.0 | | µg/kg wet | 10.0 | 2.9 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.0 | | µg/kg wet | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.0 | | µg/kg wet | 10.0 | 7.3 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 5.0 | | µg/kg wet | 5.0 | 4.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.0 | | µg/kg wet | 5.0 | 2.9 | 1 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | 1.5 | 1 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | < 5.0 | | µg/kg wet | 5.0 | 1.4 | 1 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 50.0 | | µg/kg wet | 50.0 | 29.8 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 100 | | µg/kg wet | 100 | 67.4 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 25.0 | | µg/kg wet | 25.0 | 12.3 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2000 | | µg/kg wet | 2000 | 570 | 1 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 113 | | | 70-130 % | | | " | " | " | " | " | |
| 1869-53-7 | Dibromofluoromethane | 103 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

DUP-1-SW
SB98028-28

Client Project #
08-14218G3

Matrix
Surface Water

Collection Date/Time
14-Oct-14 00:00

Received
14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|--------|------|-------|------|-----|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-96-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-90-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

DUP-1-SW
SB98028-28

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 00:00

Received

14-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-87-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-82-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 107 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 86 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

DUP-2-SW
SB98028-29

Client Project #
08-14218G3

Matrix
Surface Water

Collection Date/Time
14-Oct-14 00:00

Received
14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|--------|------|-------|------|-----|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-96-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-90-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

DUP-2-SW
SB98028-29

Client Project #
08-14218G3

Matrix
Surface Water

Collection Date/Time
14-Oct-14 00:00

Received
14-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-87-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-82-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 105 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 86 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

| | | | | |
|----------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-1-SW | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> |
| SB98028-30 | 08-14218G3 | Trip Blank | 14-Oct-14 08:00 | 14-Oct-14 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|--------|------|-------|------|-----|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-96-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-87-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 58-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 105-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 98-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-90-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 583-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

| | | | | |
|----------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-1-SW | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> |
| SB98028-30 | 08-14218G3 | Trip Blank | 14-Oct-14 08:00 | 14-Oct-14 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8280C | 16-Oct-14 | 16-Oct-14 | NAA | 1424392 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-8 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-83-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-87-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-82-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-28-5 | Toluene-d8 | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 99 | | | 70-130 % | | | " | " | " | " | " | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424386 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Blank (1424386-BLK1)</u> | | | | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Acetone | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Acrylonitrile | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Benzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromochloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromodichloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromoform | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromomethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 2-Butanone (MEK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| n-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| sec-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| tert-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Carbon disulfide | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Carbon tetrachloride | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chloroethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Chloroform | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chloromethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 2-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Dibromochloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Dibromomethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,4-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 1,1-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| cis-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| trans-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 2,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| cis-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| trans-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Ethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Hexachlorobutadiene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 2-Hexanone (MBK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Isopropylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Isopropyltoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Methyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Methylene chloride | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Naphthalene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| n-Propylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Styrene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424386 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Blank (1424386-BLK1)</u> | | | | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | |
| 1,1,2,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tetrachloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Toluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,1-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,2-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Trichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,3-Trichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Vinyl chloride | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| m,p-Xylene | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| o-Xylene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tetrahydrofuran | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Ethyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tert-amyl methyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Ethyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Di-isopropyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| 1,4-Dioxane | < 100 | | µg/kg wet | 100 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 25.0 | | µg/kg wet | 25.0 | | | | | | |
| Ethanol | < 2000 | | µg/kg wet | 2000 | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 49.5 | | µg/kg wet | | 50.0 | | 99 | 70-130 | | |
| <i>Surrogate: Toluene-d8</i> | 49.9 | | µg/kg wet | | 50.0 | | 100 | 70-130 | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 56.6 | | µg/kg wet | | 50.0 | | 113 | 70-130 | | |
| <i>Surrogate: Dibromofluoromethane</i> | 50.2 | | µg/kg wet | | 50.0 | | 100 | 70-130 | | |
| <u>LCS (1424386-B51)</u> | | | | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 18.9 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| Acetone | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| Acrylonitrile | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Benzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Bromobenzene | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Bromochloromethane | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Bromodichloromethane | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Bromoform | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| Bromomethane | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| 2-Butanone (MEK) | 16.0 | | µg/kg wet | | 20.0 | | 80 | 70-130 | | |
| n-Butylbenzene | 19.9 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| sec-Butylbenzene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| tert-Butylbenzene | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Carbon disulfide | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Carbon tetrachloride | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Chlorobenzene | 19.7 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| Chloroethane | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Chloroform | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Chloromethane | 19.1 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 2-Chlorotoluene | 19.7 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| 4-Chlorotoluene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|------|-----------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424386 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS (1424386-BS1)</u> | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| Dibromochloromethane | 19.5 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 20.1 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Dibromomethane | 19.1 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,2-Dichlorobenzene | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| 1,3-Dichlorobenzene | 20.1 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| 1,4-Dichlorobenzene | 18.9 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 19.5 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| 1,1-Dichloroethane | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 1,2-Dichloroethane | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,1-Dichloroethene | 19.1 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| cis-1,2-Dichloroethene | 19.7 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| trans-1,2-Dichloroethene | 18.9 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| 1,2-Dichloropropane | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| 1,3-Dichloropropane | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| 2,2-Dichloropropane | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| 1,1-Dichloropropene | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| cis-1,3-Dichloropropene | 18.7 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| trans-1,3-Dichloropropene | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| Ethylbenzene | 20.3 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Hexachlorobutadiene | 19.5 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| 2-Hexanone (MBK) | 15.5 | | µg/kg wet | | 20.0 | | 78 | 70-130 | | |
| Isopropylbenzene | 20.1 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| 4-Isopropyltoluene | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Methyl tert-butyl ether | 19.1 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Methylene chloride | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| Naphthalene | 16.9 | | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| n-Propylbenzene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Styrene | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Tetrachloroethene | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| Toluene | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 18.3 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 17.3 | | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 1,1,1-Trichloroethane | 19.1 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,1,2-Trichloroethane | 19.3 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Trichloroethene | 18.9 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 1,2,3-Trichloropropane | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Vinyl chloride | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| m,p-Xylene | 20.3 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| o-Xylene | 20.3 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Tetrahydrofuran | 17.9 | | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| Ethyl ether | 19.3 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Tert-amyl methyl ether | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Ethyl tert-butyl ether | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Di-isopropyl ether | 19.7 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|---|---------------|------|-------------|------|-----------|
| Batch 1424386 - SW846 5035A Soil (low level) | | | | | | | | | | |
| LCS (1424386-B51) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| Tert-Butanol / butyl alcohol | 166 | | µg/kg wet | | 200 | | 83 | 70-130 | | |
| 1,4-Dioxane | 162 | | µg/kg wet | | 200 | | 81 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| Ethanol | 393 | | µg/kg wet | | 400 | | 98 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 51.2 | | µg/kg wet | | 50.0 | | 102 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.9 | | µg/kg wet | | 50.0 | | 100 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.6 | | µg/kg wet | | 50.0 | | 97 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 50.2 | | µg/kg wet | | 50.0 | | 100 | 70-130 | | |
| LCS Dup (1424386-BSD1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | 0.8 | 30 |
| Acetone | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | 2 | 30 |
| Acrylonitrile | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 9 | 30 |
| Benzene | 19.5 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 0.8 | 30 |
| Bromobenzene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 2 | 30 |
| Bromochloromethane | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 3 | 30 |
| Bromodichloromethane | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 2 | 30 |
| Bromoform | 21.8 | | µg/kg wet | | 20.0 | | 109 | 70-130 | 10 | 30 |
| Bromomethane | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 2 | 30 |
| 2-Butanone (MEK) | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 13 | 30 |
| n-Butylbenzene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 5 | 30 |
| sec-Butylbenzene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 3 | 30 |
| tert-Butylbenzene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 2 | 30 |
| Carbon disulfide | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 0.4 | 30 |
| Carbon tetrachloride | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 0.05 | 30 |
| Chlorobenzene | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 2 | 30 |
| Chloroethane | 18.5 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 4 | 30 |
| Chloroform | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 0.9 | 30 |
| Chloromethane | 18.9 | | µg/kg wet | | 20.0 | | 95 | 70-130 | 0.7 | 30 |
| 2-Chlorotoluene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 5 | 30 |
| 4-Chlorotoluene | 21.5 | | µg/kg wet | | 20.0 | | 108 | 70-130 | 5 | 30 |
| 1,2-Dibromo-3-chloropropane | 17.9 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 0.4 | 30 |
| Dibromochloromethane | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 3 | 30 |
| 1,2-Dibromoethane (EDB) | 21.1 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 5 | 30 |
| Dibromomethane | 19.9 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 4 | 30 |
| 1,2-Dichlorobenzene | 20.9 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 4 | 30 |
| 1,3-Dichlorobenzene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 4 | 30 |
| 1,4-Dichlorobenzene | 19.9 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 5 | 30 |
| Dichlorodifluoromethane (Freon12) | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 2 | 30 |
| 1,1-Dichloroethane | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | 0.3 | 30 |
| 1,2-Dichloroethane | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 1 | 30 |
| 1,1-Dichloroethene | 18.9 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 0.9 | 30 |
| cis-1,2-Dichloroethene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 0.5 | 30 |
| trans-1,2-Dichloroethene | 19.5 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 3 | 30 |
| 1,2-Dichloropropane | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 1 | 30 |
| 1,3-Dichloropropane | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 4 | 30 |
| 2,2-Dichloropropane | 17.1 | | µg/kg wet | | 20.0 | | 86 | 70-130 | 0.3 | 30 |
| 1,1-Dichloropropene | 19.7 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 2 | 30 |
| cis-1,3-Dichloropropene | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 3 | 30 |
| trans-1,3-Dichloropropene | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 3 | 30 |
| Ethylbenzene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 2 | 30 |
| Hexachlorobutadiene | 19.5 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 0 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-----------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424386 - SW846 5035A Soil (low level) | | | | | | | | | | |
| LCS Dup (1424386-BSD1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 2-Hexanone (MBK) | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 18 | 30 |
| Isopropylbenzene | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 3 | 30 |
| 4-Isopropyltoluene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 3 | 30 |
| Methyl tert-butyl ether | 20.3 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 6 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 4 | 30 |
| Methylene chloride | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 2 | 30 |
| Naphthalene | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 5 | 30 |
| n-Propylbenzene | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 2 | 30 |
| Styrene | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 5 | 30 |
| 1,1,1,2-Tetrachloroethane | 19.9 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | 7 | 30 |
| Tetrachloroethene | 19.3 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 3 | 30 |
| Toluene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 0.6 | 30 |
| 1,2,3-Trichlorobenzene | 19.1 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 4 | 30 |
| 1,2,4-Trichlorobenzene | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 6 | 30 |
| 1,3,5-Trichlorobenzene | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | 5 | 30 |
| 1,1,1-Trichloroethane | 19.1 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 0.1 | 30 |
| 1,1,2-Trichloroethane | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 3 | 30 |
| Trichloroethene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 2 | 30 |
| Trichlorofluoromethane (Freon 11) | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 2 | 30 |
| 1,2,3-Trichloropropane | 20.9 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 8 | 30 |
| 1,2,4-Trimethylbenzene | 21.1 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 2 | 30 |
| 1,3,5-Trimethylbenzene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 2 | 30 |
| Vinyl chloride | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 1 | 30 |
| m,p-Xylene | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 2 | 30 |
| o-Xylene | 20.9 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 3 | 30 |
| Tetrahydrofuran | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 7 | 30 |
| Ethyl ether | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 3 | 30 |
| Tert-amyl methyl ether | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 6 | 30 |
| Ethyl tert-butyl ether | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 2 | 30 |
| Di-isopropyl ether | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 3 | 30 |
| Tert-Butanol / butyl alcohol | 205 | | µg/kg wet | | 200 | | 102 | 70-130 | 21 | 30 |
| 1,4-Dioxane | 159 | | µg/kg wet | | 200 | | 79 | 70-130 | 2 | 30 |
| trans-1,4-Dichloro-2-butene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 13 | 30 |
| Ethanol | 396 | | µg/kg wet | | 400 | | 99 | 70-130 | 0.8 | 30 |
| Surrogate: 4-Bromofluorobenzene | 52.1 | | µg/kg wet | | 50.0 | | 104 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.2 | | µg/kg wet | | 50.0 | | 98 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.3 | | µg/kg wet | | 50.0 | | 99 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 48.9 | | µg/kg wet | | 50.0 | | 98 | 70-130 | | |
| Batch 1424387 - SW846 5035A Soil (high level) | | | | | | | | | | |
| Blank (1424387-BLK1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Acetone | < 500 | D | µg/kg wet | 500 | | | | | | |
| Acrylonitrile | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Benzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromodichloromethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromoform | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromomethane | < 100 | D | µg/kg wet | 100 | | | | | | |
| 2-Butanone (MEK) | < 500 | D | µg/kg wet | 500 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-----------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424387 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>Blank (1424387-BLK1)</u> | | | | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | |
| n-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| sec-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| tert-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Carbon disulfide | < 100 | D | µg/kg wet | 100 | | | | | | |
| Carbon tetrachloride | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Chlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Chloroethane | < 100 | D | µg/kg wet | 100 | | | | | | |
| Chloroform | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Chloromethane | < 100 | D | µg/kg wet | 100 | | | | | | |
| 2-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 4-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 100 | D | µg/kg wet | 100 | | | | | | |
| Dibromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Dibromomethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,4-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 100 | D | µg/kg wet | 100 | | | | | | |
| 1,1-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| cis-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| trans-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 2,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| cis-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| trans-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Ethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Hexachlorobutadiene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 2-Hexanone (MBK) | < 500 | D | µg/kg wet | 500 | | | | | | |
| Isopropylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 4-Isopropyltoluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Methyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 500 | D | µg/kg wet | 500 | | | | | | |
| Methylene chloride | < 100 | D | µg/kg wet | 100 | | | | | | |
| Naphthalene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| n-Propylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Styrene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tetrachloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Toluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,1-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,2-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Trichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|-------------|------|------------------|-------|---|---------------|------------|---------------|-----|-----------|
| Batch 1424387 - SW846 5035A Soil (high level) | | | | | | | | | | |
| Blank (1424387-BLK1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,2,3-Trichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Vinyl chloride | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| m,p-Xylene | < 100 | D | µg/kg wet | 100 | | | | | | |
| o-Xylene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tetrahydrofuran | < 100 | D | µg/kg wet | 100 | | | | | | |
| Ethyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tert-amyl methyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Ethyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Di-isopropyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 500 | D | µg/kg wet | 500 | | | | | | |
| 1,4-Dioxane | < 1000 | D | µg/kg wet | 1000 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 250 | D | µg/kg wet | 250 | | | | | | |
| Ethanol | < 20000 | D | µg/kg wet | 20000 | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>30.4</i> | | <i>µg/kg wet</i> | | <i>30.0</i> | | <i>101</i> | <i>70-130</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>30.1</i> | | <i>µg/kg wet</i> | | <i>30.0</i> | | <i>100</i> | <i>70-130</i> | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>33.0</i> | | <i>µg/kg wet</i> | | <i>30.0</i> | | <i>110</i> | <i>70-130</i> | | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>30.7</i> | | <i>µg/kg wet</i> | | <i>30.0</i> | | <i>102</i> | <i>70-130</i> | | |
| LCS (1424387-B51) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Acetone | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| Acrylonitrile | 19.3 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Benzene | 20.3 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Bromobenzene | 21.4 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| Bromochloromethane | 21.6 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| Bromodichloromethane | 21.9 | D | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| Bromoform | 22.4 | D | µg/kg wet | | 20.0 | | 112 | 70-130 | | |
| Bromomethane | 17.7 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| 2-Butanone (MEK) | 22.0 | D | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| n-Butylbenzene | 20.7 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| sec-Butylbenzene | 21.8 | D | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| tert-Butylbenzene | 21.9 | D | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| Carbon disulfide | 22.5 | D | µg/kg wet | | 20.0 | | 112 | 70-130 | | |
| Carbon tetrachloride | 24.4 | D | µg/kg wet | | 20.0 | | 122 | 70-130 | | |
| Chlorobenzene | 20.3 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Chloroethane | 17.7 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| Chloroform | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Chloromethane | 16.6 | D | µg/kg wet | | 20.0 | | 83 | 70-130 | | |
| 2-Chlorotoluene | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 4-Chlorotoluene | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 18.7 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| Dibromochloromethane | 22.5 | D | µg/kg wet | | 20.0 | | 113 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 21.3 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| Dibromomethane | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 1,2-Dichlorobenzene | 20.3 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,3-Dichlorobenzene | 20.5 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,4-Dichlorobenzene | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 18.4 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| 1,1-Dichloroethane | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 1,2-Dichloroethane | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-----------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424387 - SW846 5035A Soil (high level) | | | | | | | | | | |
| LCS (1424387-BS1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,1-Dichloroethene | 20.5 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| cis-1,2-Dichloroethene | 20.7 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| trans-1,2-Dichloroethene | 20.9 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 1,2-Dichloropropane | 18.7 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| 1,3-Dichloropropane | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 2,2-Dichloropropane | 22.3 | D | µg/kg wet | | 20.0 | | 111 | 70-130 | | |
| 1,1-Dichloropropene | 21.2 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| cis-1,3-Dichloropropene | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| trans-1,3-Dichloropropene | 19.5 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Ethylbenzene | 20.9 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Hexachlorobutadiene | 22.5 | D | µg/kg wet | | 20.0 | | 112 | 70-130 | | |
| 2-Hexanone (MBK) | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Isopropylbenzene | 21.3 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| 4-Isopropyltoluene | 21.3 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| Methyl tert-butyl ether | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Methylene chloride | 19.3 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Naphthalene | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| n-Propylbenzene | 21.4 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| Styrene | 21.2 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 22.4 | D | µg/kg wet | | 20.0 | | 112 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 18.2 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Tetrachloroethene | 22.1 | D | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| Toluene | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 20.9 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 19.7 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 1,1,1-Trichloroethane | 23.8 | D | µg/kg wet | | 20.0 | | 119 | 70-130 | | |
| 1,1,2-Trichloroethane | 19.7 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| Trichloroethene | 23.2 | D | µg/kg wet | | 20.0 | | 116 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 23.6 | D | µg/kg wet | | 20.0 | | 118 | 70-130 | | |
| 1,2,3-Trichloropropane | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 21.7 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 21.6 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| Vinyl chloride | 24.0 | D | µg/kg wet | | 20.0 | | 120 | 70-130 | | |
| m,p-Xylene | 20.9 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| o-Xylene | 20.7 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Tetrahydrofuran | 16.8 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| Ethyl ether | 18.8 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| Tert-amyl methyl ether | 19.4 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Ethyl tert-butyl ether | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Di-isopropyl ether | 18.5 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 202 | D | µg/kg wet | | 200 | | 101 | 70-130 | | |
| 1,4-Dioxane | 217 | D | µg/kg wet | | 200 | | 108 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 19.0 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| Ethanol | 361 | D | µg/kg wet | | 400 | | 90 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 30.2 | | µg/kg wet | | 30.0 | | 101 | 70-130 | | |
| Surrogate: Toluene-d8 | 30.3 | | µg/kg wet | | 30.0 | | 101 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 32.6 | | µg/kg wet | | 30.0 | | 109 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 30.9 | | µg/kg wet | | 30.0 | | 103 | 70-130 | | |
| LCS Dup (1424387-BSD1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-----------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424387 - SW846 5035A Soil (high level) | | | | | | | | | | |
| LCS Dup (1424387-BSD1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 4 | 30 |
| Acetone | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | 6 | 30 |
| Acrylonitrile | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 1 | 30 |
| Benzene | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 1 | 30 |
| Bromobenzene | 21.6 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | 0.8 | 30 |
| Bromochloromethane | 21.1 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | 2 | 30 |
| Bromodichloromethane | 20.9 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | 4 | 30 |
| Bromoform | 21.8 | D | µg/kg wet | | 20.0 | | 109 | 70-130 | 3 | 30 |
| Bromomethane | 18.4 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | 4 | 30 |
| 2-Butanone (MEK) | 18.4 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | 18 | 30 |
| n-Butylbenzene | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | 2 | 30 |
| sec-Butylbenzene | 22.2 | D | µg/kg wet | | 20.0 | | 111 | 70-130 | 2 | 30 |
| tert-Butylbenzene | 21.8 | D | µg/kg wet | | 20.0 | | 109 | 70-130 | 0.8 | 30 |
| Carbon disulfide | 22.3 | D | µg/kg wet | | 20.0 | | 111 | 70-130 | 1 | 30 |
| Carbon tetrachloride | 23.8 | D | µg/kg wet | | 20.0 | | 119 | 70-130 | 3 | 30 |
| Chlorobenzene | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | 0.5 | 30 |
| Chloroethane | 16.8 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | 5 | 30 |
| Chloroform | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | 0.2 | 30 |
| Chloromethane | 16.4 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | 1 | 30 |
| 2-Chlorotoluene | 21.1 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | 3 | 30 |
| 4-Chlorotoluene | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | 0.1 | 30 |
| 1,2-Dibromo-3-chloropropane | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 7 | 30 |
| Dibromochloromethane | 22.0 | D | µg/kg wet | | 20.0 | | 110 | 70-130 | 3 | 30 |
| 1,2-Dibromoethane (EDB) | 21.1 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | 0.9 | 30 |
| Dibromomethane | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | 2 | 30 |
| 1,2-Dichlorobenzene | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | 2 | 30 |
| 1,3-Dichlorobenzene | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | 2 | 30 |
| 1,4-Dichlorobenzene | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 0 | 30 |
| Dichlorodifluoromethane (Freon12) | 17.6 | D | µg/kg wet | | 20.0 | | 88 | 70-130 | 4 | 30 |
| 1,1-Dichloroethane | 20.6 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | 2 | 30 |
| 1,2-Dichloroethane | 21.2 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | 1 | 30 |
| 1,1-Dichloroethene | 19.2 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | 7 | 30 |
| cis-1,2-Dichloroethene | 20.5 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | 0.9 | 30 |
| trans-1,2-Dichloroethene | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | 0.7 | 30 |
| 1,2-Dichloropropane | 19.0 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | 2 | 30 |
| 1,3-Dichloropropane | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 1 | 30 |
| 2,2-Dichloropropane | 21.5 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | 4 | 30 |
| 1,1-Dichloropropene | 20.7 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | 2 | 30 |
| cis-1,3-Dichloropropene | 20.1 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 0.3 | 30 |
| trans-1,3-Dichloropropene | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 2 | 30 |
| Ethylbenzene | 20.7 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | 0.6 | 30 |
| Hexachlorobutadiene | 22.2 | D | µg/kg wet | | 20.0 | | 111 | 70-130 | 1 | 30 |
| 2-Hexanone (MBK) | 20.5 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | 2 | 30 |
| Isopropylbenzene | 21.6 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | 2 | 30 |
| 4-Isopropyltoluene | 21.5 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | 1 | 30 |
| Methyl tert-butyl ether | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | 0.1 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 18.8 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | 6 | 30 |
| Methylene chloride | 19.5 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 1 | 30 |
| Naphthalene | 21.4 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | 2 | 30 |
| n-Propylbenzene | 21.5 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | 0.1 | 30 |
| Styrene | 21.8 | D | µg/kg wet | | 20.0 | | 109 | 70-130 | 3 | 30 |
| 1,1,1,2-Tetrachloroethane | 23.2 | D | µg/kg wet | | 20.0 | | 116 | 70-130 | 3 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|--------|-----------|------|---|---------------|---|-------------|------|-----------|
| Batch 1424387 - SW846 5035A Soil (high level) | | | | | | | | | | |
| LCS Dup (1424387-BSD1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,1,2,2-Tetrachloroethane | 18.3 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | 0.5 | 30 |
| Tetrachloroethene | 21.6 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | 2 | 30 |
| Toluene | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 1 | 30 |
| 1,2,3-Trichlorobenzene | 21.5 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | 3 | 30 |
| 1,2,4-Trichlorobenzene | 19.7 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 0.1 | 30 |
| 1,3,5-Trichlorobenzene | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | 0.2 | 30 |
| 1,1,1-Trichloroethane | 22.7 | D | µg/kg wet | | 20.0 | | 114 | 70-130 | 4 | 30 |
| 1,1,2-Trichloroethane | 20.6 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | 4 | 30 |
| Trichloroethene | 22.5 | D | µg/kg wet | | 20.0 | | 112 | 70-130 | 3 | 30 |
| Trichlorofluoromethane (Freon 11) | 23.2 | D | µg/kg wet | | 20.0 | | 116 | 70-130 | 2 | 30 |
| 1,2,3-Trichloropropane | 21.5 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | 6 | 30 |
| 1,2,4-Trimethylbenzene | 21.6 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | 0.2 | 30 |
| 1,3,5-Trimethylbenzene | 21.7 | D | µg/kg wet | | 20.0 | | 109 | 70-130 | 0.6 | 30 |
| Vinyl chloride | 23.8 | D | µg/kg wet | | 20.0 | | 119 | 70-130 | 0.4 | 30 |
| m,p-Xylene | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | 0.5 | 30 |
| o-Xylene | 21.4 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | 3 | 30 |
| Tetrahydrofuran | 17.9 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | 7 | 30 |
| Ethyl ether | 18.9 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | 0.3 | 30 |
| Tert-amyl methyl ether | 19.2 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | 0.8 | 30 |
| Ethyl tert-butyl ether | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 0.05 | 30 |
| Di-isopropyl ether | 18.5 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 0.2 | 30 |
| Tert-Butanol / butyl alcohol | 203 | D | µg/kg wet | | 200 | | 101 | 70-130 | 0.3 | 30 |
| 1,4-Dioxane | 190 | D | µg/kg wet | | 200 | | 95 | 70-130 | 13 | 30 |
| trans-1,4-Dichloro-2-butene | 20.9 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | 10 | 30 |
| Ethanol | 344 | D | µg/kg wet | | 400 | | 86 | 70-130 | 5 | 30 |
| Surrogate: 4-Bromofluorobenzene | 31.4 | | µg/kg wet | | 30.0 | | 105 | 70-130 | | |
| Surrogate: Toluene-d8 | 29.6 | | µg/kg wet | | 30.0 | | 99 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 32.5 | | µg/kg wet | | 30.0 | | 108 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 30.5 | | µg/kg wet | | 30.0 | | 102 | 70-130 | | |
| Matrix Spike (1424387-MS1) | | | | | Source: SB98028-17 | | Prepared & Analyzed: 16-Oct-14 | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 24.5 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | | |
| Acetone | 19.6 | D | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | | |
| Acrylonitrile | 13.6 | QM7, D | µg/kg dry | | 20.0 | BRL | 68 | 70-130 | | |
| Benzene | 21.2 | D | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | | |
| Bromobenzene | 23.4 | D | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | | |
| Bromochloromethane | 21.8 | D | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| Bromodichloromethane | 22.0 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | | |
| Bromoform | 19.6 | D | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | | |
| Bromomethane | 12.8 | QM7, D | µg/kg dry | | 20.0 | BRL | 64 | 70-130 | | |
| 2-Butanone (MEK) | 20.2 | D | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | | |
| n-Butylbenzene | 26.0 | D | µg/kg dry | | 20.0 | BRL | 130 | 70-130 | | |
| sec-Butylbenzene | 26.2 | QM7, D | µg/kg dry | | 20.0 | BRL | 131 | 70-130 | | |
| tert-Butylbenzene | 26.6 | QM7, D | µg/kg dry | | 20.0 | BRL | 133 | 70-130 | | |
| Carbon disulfide | 17.6 | D | µg/kg dry | | 20.0 | BRL | 88 | 70-130 | | |
| Carbon tetrachloride | 25.0 | D | µg/kg dry | | 20.0 | BRL | 125 | 70-130 | | |
| Chlorobenzene | 21.3 | D | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | | |
| Chloroethane | 21.4 | D | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | | |
| Chloroform | 23.4 | D | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | | |
| Chloromethane | 15.5 | D | µg/kg dry | | 20.0 | BRL | 78 | 70-130 | | |
| 2-Chlorotoluene | 24.3 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | | |
| 4-Chlorotoluene | 24.6 | D | µg/kg dry | | 20.0 | BRL | 123 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|----------------------------------|--------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424387 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>Matrix Spike (1424387-MS1)</u> | <u>Source: SB98028-17</u> | | | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | |
| 1,2-Dibromo-3-chloropropane | 17.7 | D | µg/kg dry | | 20.0 | BRL | 89 | 70-130 | | |
| Dibromochloromethane | 19.8 | D | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 22.1 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | | |
| Dibromomethane | 21.6 | D | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | | |
| 1,2-Dichlorobenzene | 21.7 | D | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | | |
| 1,3-Dichlorobenzene | 23.4 | D | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | | |
| 1,4-Dichlorobenzene | 21.5 | D | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 22.5 | D | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | | |
| 1,1-Dichloroethane | 22.2 | D | µg/kg dry | | 20.0 | BRL | 111 | 70-130 | | |
| 1,2-Dichloroethane | 23.6 | D | µg/kg dry | | 20.0 | BRL | 118 | 70-130 | | |
| 1,1-Dichloroethene | 17.4 | D | µg/kg dry | | 20.0 | BRL | 87 | 70-130 | | |
| cis-1,2-Dichloroethene | 23.0 | D | µg/kg dry | | 20.0 | BRL | 115 | 70-130 | | |
| trans-1,2-Dichloroethene | 22.1 | D | µg/kg dry | | 20.0 | BRL | 111 | 70-130 | | |
| 1,2-Dichloropropane | 19.9 | D | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | | |
| 1,3-Dichloropropane | 21.1 | D | µg/kg dry | | 20.0 | BRL | 105 | 70-130 | | |
| 2,2-Dichloropropane | 24.8 | D | µg/kg dry | | 20.0 | BRL | 124 | 70-130 | | |
| 1,1-Dichloropropene | 24.5 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | | |
| cis-1,3-Dichloropropene | 20.3 | D | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | | |
| trans-1,3-Dichloropropene | 19.9 | D | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | | |
| Ethylbenzene | 22.7 | D | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | | |
| Hexachlorobutadiene | 30.7 | QM7, D | µg/kg dry | | 20.0 | BRL | 153 | 70-130 | | |
| 2-Hexanone (MBK) | 20.4 | D | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | | |
| Isopropylbenzene | 24.9 | D | µg/kg dry | | 20.0 | BRL | 124 | 70-130 | | |
| 4-Isopropyltoluene | 25.0 | D | µg/kg dry | | 20.0 | BRL | 125 | 70-130 | | |
| Methyl tert-butyl ether | 23.0 | D | µg/kg dry | | 20.0 | BRL | 115 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 23.8 | D | µg/kg dry | | 20.0 | BRL | 119 | 70-130 | | |
| Methylene chloride | 16.2 | D | µg/kg dry | | 20.0 | BRL | 81 | 70-130 | | |
| Naphthalene | 22.1 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | | |
| n-Propylbenzene | 25.1 | D | µg/kg dry | | 20.0 | BRL | 125 | 70-130 | | |
| Styrene | 23.6 | D | µg/kg dry | | 20.0 | BRL | 118 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 22.6 | D | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 19.5 | D | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | | |
| Tetrachloroethene | 25.1 | D | µg/kg dry | | 20.0 | BRL | 125 | 70-130 | | |
| Toluene | 22.0 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 22.7 | D | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 22.8 | D | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 24.9 | D | µg/kg dry | | 20.0 | BRL | 124 | 70-130 | | |
| 1,1,1-Trichloroethane | 27.0 | QM7, D | µg/kg dry | | 20.0 | BRL | 135 | 70-130 | | |
| 1,1,2-Trichloroethane | 20.9 | D | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | | |
| Trichloroethene | 24.4 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 28.8 | QM7, D | µg/kg dry | | 20.0 | BRL | 144 | 70-130 | | |
| 1,2,3-Trichloropropane | 22.4 | D | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 25.8 | D | µg/kg dry | | 20.0 | BRL | 129 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 25.6 | D | µg/kg dry | | 20.0 | BRL | 128 | 70-130 | | |
| Vinyl chloride | 24.3 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | | |
| m,p-Xylene | 23.8 | D | µg/kg dry | | 20.0 | BRL | 119 | 70-130 | | |
| o-Xylene | 22.3 | D | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | | |
| Tetrahydrofuran | 15.5 | D | µg/kg dry | | 20.0 | BRL | 77 | 70-130 | | |
| Ethyl ether | 16.0 | D | µg/kg dry | | 20.0 | BRL | 80 | 70-130 | | |
| Tert-amyl methyl ether | 21.3 | D | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | | |
| Ethyl tert-butyl ether | 21.8 | D | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| Di-isopropyl ether | 18.7 | D | µg/kg dry | | 20.0 | BRL | 93 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|-------------|---------------------------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424387 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>Matrix Spike (1424387-MS1)</u> | | | <u>Source: SB98028-17</u> | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | |
| Tert-Butanol / butyl alcohol | 206 | D | µg/kg dry | | 200 | BRL | 103 | 70-130 | | |
| 1,4-Dioxane | 190 | D | µg/kg dry | | 200 | BRL | 95 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 18.2 | D | µg/kg dry | | 20.0 | BRL | 91 | 70-130 | | |
| Ethanol | 403 | D | µg/kg dry | | 400 | BRL | 101 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 32.1 | | µg/kg dry | | 30.0 | | 107 | 70-130 | | |
| Surrogate: Toluene-d8 | 30.0 | | µg/kg dry | | 30.0 | | 100 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 35.5 | | µg/kg dry | | 30.0 | | 118 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 32.1 | | µg/kg dry | | 30.0 | | 107 | 70-130 | | |
| <u>Matrix Spike Dup (1424387-MSD1)</u> | | | <u>Source: SB98028-17</u> | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 22.1 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 10 | 30 |
| Acetone | 19.5 | D | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | 0.5 | 30 |
| Acrylonitrile | 16.4 | D | µg/kg dry | | 20.0 | BRL | 82 | 70-130 | 19 | 30 |
| Benzene | 20.1 | D | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | 5 | 30 |
| Bromobenzene | 21.6 | D | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | 8 | 30 |
| Bromochloromethane | 19.7 | D | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | 10 | 30 |
| Bromodichloromethane | 18.8 | D | µg/kg dry | | 20.0 | BRL | 94 | 70-130 | 16 | 30 |
| Bromoform | 17.4 | D | µg/kg dry | | 20.0 | BRL | 87 | 70-130 | 12 | 30 |
| Bromomethane | 10.5 | QM7, D | µg/kg dry | | 20.0 | BRL | 53 | 70-130 | 19 | 30 |
| 2-Butanone (MEK) | 22.0 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 9 | 30 |
| n-Butylbenzene | 23.5 | D | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | 10 | 30 |
| sec-Butylbenzene | 24.4 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | 7 | 30 |
| tert-Butylbenzene | 24.2 | D | µg/kg dry | | 20.0 | BRL | 121 | 70-130 | 10 | 30 |
| Carbon disulfide | 17.1 | D | µg/kg dry | | 20.0 | BRL | 86 | 70-130 | 3 | 30 |
| Carbon tetrachloride | 21.4 | D | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | 16 | 30 |
| Chlorobenzene | 20.1 | D | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | 6 | 30 |
| Chloroethane | 13.8 | QM7, QR5, D | µg/kg dry | | 20.0 | BRL | 69 | 70-130 | 43 | 30 |
| Chloroform | 20.6 | D | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | 13 | 30 |
| Chloromethane | 14.3 | D | µg/kg dry | | 20.0 | BRL | 71 | 70-130 | 9 | 30 |
| 2-Chlorotoluene | 21.7 | D | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | 11 | 30 |
| 4-Chlorotoluene | 22.9 | D | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | 7 | 30 |
| 1,2-Dibromo-3-chloropropane | 14.8 | D | µg/kg dry | | 20.0 | BRL | 74 | 70-130 | 18 | 30 |
| Dibromochloromethane | 17.7 | D | µg/kg dry | | 20.0 | BRL | 88 | 70-130 | 11 | 30 |
| 1,2-Dibromoethane (EDB) | 20.4 | D | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | 8 | 30 |
| Dibromomethane | 19.7 | D | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | 9 | 30 |
| 1,2-Dichlorobenzene | 19.6 | D | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | 10 | 30 |
| 1,3-Dichlorobenzene | 22.0 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 6 | 30 |
| 1,4-Dichlorobenzene | 19.3 | D | µg/kg dry | | 20.0 | BRL | 97 | 70-130 | 11 | 30 |
| Dichlorodifluoromethane (Freon12) | 17.9 | D | µg/kg dry | | 20.0 | BRL | 90 | 70-130 | 23 | 30 |
| 1,1-Dichloroethane | 20.5 | D | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | 8 | 30 |
| 1,2-Dichloroethane | 20.1 | D | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | 16 | 30 |
| 1,1-Dichloroethene | 20.0 | D | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | 14 | 30 |
| cis-1,2-Dichloroethene | 21.0 | D | µg/kg dry | | 20.0 | BRL | 105 | 70-130 | 9 | 30 |
| trans-1,2-Dichloroethene | 20.4 | D | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | 8 | 30 |
| 1,2-Dichloropropane | 19.1 | D | µg/kg dry | | 20.0 | BRL | 96 | 70-130 | 4 | 30 |
| 1,3-Dichloropropane | 19.4 | D | µg/kg dry | | 20.0 | BRL | 97 | 70-130 | 9 | 30 |
| 2,2-Dichloropropane | 21.0 | D | µg/kg dry | | 20.0 | BRL | 105 | 70-130 | 17 | 30 |
| 1,1-Dichloropropene | 22.0 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 11 | 30 |
| cis-1,3-Dichloropropene | 18.6 | D | µg/kg dry | | 20.0 | BRL | 93 | 70-130 | 9 | 30 |
| trans-1,3-Dichloropropene | 17.4 | D | µg/kg dry | | 20.0 | BRL | 87 | 70-130 | 13 | 30 |
| Ethylbenzene | 21.4 | D | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | 6 | 30 |
| Hexachlorobutadiene | 25.2 | D | µg/kg dry | | 20.0 | BRL | 126 | 70-130 | 20 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-----------|---------------------------|-------------|---|------|-------------|-----|-----------|
| Batch 1424387 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>Matrix Spike Dup (1424387-MSD1)</u> | | | | <u>Source: SB98028-17</u> | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | |
| 2-Hexanone (MBK) | 18.9 | D | µg/kg dry | | 20.0 | BRL | 95 | 70-130 | 7 | 30 |
| Isopropylbenzene | 22.5 | D | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | 10 | 30 |
| 4-Isopropyltoluene | 22.3 | D | µg/kg dry | | 20.0 | BRL | 111 | 70-130 | 12 | 30 |
| Methyl tert-butyl ether | 20.3 | D | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | 12 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 19.1 | D | µg/kg dry | | 20.0 | BRL | 96 | 70-130 | 22 | 30 |
| Methylene chloride | 16.8 | D | µg/kg dry | | 20.0 | BRL | 84 | 70-130 | 3 | 30 |
| Naphthalene | 18.7 | D | µg/kg dry | | 20.0 | BRL | 94 | 70-130 | 16 | 30 |
| n-Propylbenzene | 23.4 | D | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | 7 | 30 |
| Styrene | 22.1 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 6 | 30 |
| 1,1,1,2-Tetrachloroethane | 20.2 | D | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | 11 | 30 |
| 1,1,2,2-Tetrachloroethane | 18.3 | D | µg/kg dry | | 20.0 | BRL | 92 | 70-130 | 6 | 30 |
| Tetrachloroethene | 23.0 | D | µg/kg dry | | 20.0 | BRL | 115 | 70-130 | 9 | 30 |
| Toluene | 20.7 | D | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | 6 | 30 |
| 1,2,3-Trichlorobenzene | 19.3 | D | µg/kg dry | | 20.0 | BRL | 97 | 70-130 | 16 | 30 |
| 1,2,4-Trichlorobenzene | 19.7 | D | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | 15 | 30 |
| 1,3,5-Trichlorobenzene | 22.2 | D | µg/kg dry | | 20.0 | BRL | 111 | 70-130 | 11 | 30 |
| 1,1,1-Trichloroethane | 23.2 | D | µg/kg dry | | 20.0 | BRL | 116 | 70-130 | 15 | 30 |
| 1,1,2-Trichloroethane | 20.1 | D | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | 4 | 30 |
| Trichloroethene | 22.4 | D | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | 9 | 30 |
| Trichlorofluoromethane (Freon 11) | 23.2 | D | µg/kg dry | | 20.0 | BRL | 116 | 70-130 | 22 | 30 |
| 1,2,3-Trichloropropane | 20.5 | D | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | 9 | 30 |
| 1,2,4-Trimethylbenzene | 23.6 | D | µg/kg dry | | 20.0 | BRL | 118 | 70-130 | 9 | 30 |
| 1,3,5-Trimethylbenzene | 23.3 | D | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | 9 | 30 |
| Vinyl chloride | 20.8 | D | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | 18 | 30 |
| m,p-Xylene | 21.3 | D | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | 11 | 30 |
| o-Xylene | 21.4 | D | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | 4 | 30 |
| Tetrahydrofuran | 15.7 | D | µg/kg dry | | 20.0 | BRL | 78 | 70-130 | 1 | 30 |
| Ethyl ether | 18.8 | D | µg/kg dry | | 20.0 | BRL | 94 | 70-130 | 16 | 30 |
| Tert-amyl methyl ether | 19.2 | D | µg/kg dry | | 20.0 | BRL | 96 | 70-130 | 11 | 30 |
| Ethyl tert-butyl ether | 19.3 | D | µg/kg dry | | 20.0 | BRL | 96 | 70-130 | 12 | 30 |
| Di-isopropyl ether | 17.8 | D | µg/kg dry | | 20.0 | BRL | 89 | 70-130 | 5 | 30 |
| Tert-Butanol / butyl alcohol | 196 | D | µg/kg dry | | 200 | BRL | 98 | 70-130 | 5 | 30 |
| 1,4-Dioxane | 210 | D | µg/kg dry | | 200 | BRL | 105 | 70-130 | 10 | 30 |
| trans-1,4-Dichloro-2-butene | 17.5 | D | µg/kg dry | | 20.0 | BRL | 87 | 70-130 | 4 | 30 |
| Ethanol | 344 | D | µg/kg dry | | 400 | BRL | 86 | 70-130 | 16 | 30 |
| Surrogate: 4-Bromofluorobenzene | 31.5 | | µg/kg dry | | 30.0 | | 105 | 70-130 | | |
| Surrogate: Toluene-d8 | 29.9 | | µg/kg dry | | 30.0 | | 100 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 32.2 | | µg/kg dry | | 30.0 | | 107 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 30.8 | | µg/kg dry | | 30.0 | | 103 | 70-130 | | |

Batch 1424392 - SW846 5030 Water MS

| | | | | | | | | | | |
|--|--------|--|------|---|--|--|--|--|--|--|
| <u>Blank (1424392-BLK1)</u> | | | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | | | | | | |
| Acetone | < 10.0 | | µg/l | 10.0 | | | | | | |
| Acrylonitrile | < 0.5 | | µg/l | 0.5 | | | | | | |
| Benzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromochloromethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromodichloromethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| Bromoform | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromomethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|---|------|-------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424392 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Blank (1424392-BLK1)</u> | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | | | | | |
| n-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Carbon disulfide | < 2.0 | | µg/l | 2.0 | | | | | | |
| Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chloroethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| Chloroform | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chloromethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | | | | | | |
| Dibromochloromethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | | | | | | |
| Dibromomethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | | | | | | |
| 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | | | | | | |
| cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | | | | | | |
| trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | | | | | | |
| Ethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | | | | | | |
| 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | | | | | | |
| Isopropylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | | | | | | |
| Methylene chloride | < 2.0 | | µg/l | 2.0 | | | | | | |
| Naphthalene | < 1.0 | | µg/l | 1.0 | | | | | | |
| n-Propylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Styrene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| Tetrachloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Toluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| Trichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|-------------|------|-------------|------|---|---------------|-----------|---------------|-----|-----------|
| Batch 1424392 - SW846 5030 Water MS | | | | | | | | | | |
| Blank (1424392-BLK1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Vinyl chloride | < 1.0 | | µg/l | 1.0 | | | | | | |
| m,p-Xylene | < 2.0 | | µg/l | 2.0 | | | | | | |
| o-Xylene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | | | | | | |
| Ethyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | | | | | | |
| 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | | | | | | |
| Ethanol | < 400 | | µg/l | 400 | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>49.6</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>99</i> | <i>70-130</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>48.1</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>96</i> | <i>70-130</i> | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>42.0</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>84</i> | <i>70-130</i> | | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>43.2</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>86</i> | <i>70-130</i> | | |
| LCS (1424392-B51) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| Acetone | 20.5 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| Acrylonitrile | 21.7 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| Benzene | 21.9 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| Bromobenzene | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| Bromochloromethane | 23.4 | | µg/l | | 20.0 | | 117 | 70-130 | | |
| Bromodichloromethane | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| Bromoform | 20.3 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| Bromomethane | 24.1 | | µg/l | | 20.0 | | 120 | 70-130 | | |
| 2-Butanone (MEK) | 12.8 | | µg/l | | 20.0 | | 64 | 70-130 | | |
| n-Butylbenzene | 23.1 | | µg/l | | 20.0 | | 116 | 70-130 | | |
| sec-Butylbenzene | 22.8 | | µg/l | | 20.0 | | 114 | 70-130 | | |
| tert-Butylbenzene | 23.5 | | µg/l | | 20.0 | | 118 | 70-130 | | |
| Carbon disulfide | 22.7 | | µg/l | | 20.0 | | 113 | 70-130 | | |
| Carbon tetrachloride | 20.9 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| Chlorobenzene | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| Chloroethane | 24.1 | | µg/l | | 20.0 | | 121 | 70-130 | | |
| Chloroform | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| Chloromethane | 24.0 | | µg/l | | 20.0 | | 120 | 70-130 | | |
| 2-Chlorotoluene | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| 4-Chlorotoluene | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 21.9 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| Dibromochloromethane | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 22.6 | | µg/l | | 20.0 | | 113 | 70-130 | | |
| Dibromomethane | 21.9 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| 1,2-Dichlorobenzene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 1,3-Dichlorobenzene | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| 1,4-Dichlorobenzene | 18.9 | | µg/l | | 20.0 | | 95 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 23.0 | | µg/l | | 20.0 | | 115 | 70-130 | | |
| 1,1-Dichloroethane | 22.4 | | µg/l | | 20.0 | | 112 | 70-130 | | |
| 1,2-Dichloroethane | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424392 - SW846 5030 Water MS | | | | | | | | | | |
| LCS (1424392-B51) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,1-Dichloroethene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| cis-1,2-Dichloroethene | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| trans-1,2-Dichloroethene | 21.7 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| 1,2-Dichloropropane | 21.9 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| 1,3-Dichloropropane | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| 2,2-Dichloropropane | 25.0 | | µg/l | | 20.0 | | 125 | 70-130 | | |
| 1,1-Dichloropropene | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| cis-1,3-Dichloropropene | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| trans-1,3-Dichloropropene | 20.5 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| Ethylbenzene | 22.1 | | µg/l | | 20.0 | | 111 | 70-130 | | |
| Hexachlorobutadiene | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 2-Hexanone (MBK) | 22.3 | | µg/l | | 20.0 | | 111 | 70-130 | | |
| Isopropylbenzene | 20.9 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| 4-Isopropyltoluene | 21.9 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| Methyl tert-butyl ether | 18.2 | | µg/l | | 20.0 | | 91 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 22.6 | | µg/l | | 20.0 | | 113 | 70-130 | | |
| Methylene chloride | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| Naphthalene | 21.3 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| n-Propylbenzene | 22.6 | | µg/l | | 20.0 | | 113 | 70-130 | | |
| Styrene | 23.5 | | µg/l | | 20.0 | | 118 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 22.2 | | µg/l | | 20.0 | | 111 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 22.2 | | µg/l | | 20.0 | | 111 | 70-130 | | |
| Tetrachloroethene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| Toluene | 20.9 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 22.7 | | µg/l | | 20.0 | | 114 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 22.5 | | µg/l | | 20.0 | | 112 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 21.7 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| 1,1,1-Trichloroethane | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| 1,1,2-Trichloroethane | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| Trichloroethene | 20.3 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 21.5 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| 1,2,3-Trichloropropane | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 23.3 | | µg/l | | 20.0 | | 117 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 22.9 | | µg/l | | 20.0 | | 114 | 70-130 | | |
| Vinyl chloride | 23.5 | | µg/l | | 20.0 | | 118 | 70-130 | | |
| m,p-Xylene | 21.7 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| o-Xylene | 22.5 | | µg/l | | 20.0 | | 112 | 70-130 | | |
| Tetrahydrofuran | 19.9 | | µg/l | | 20.0 | | 99 | 70-130 | | |
| Ethyl ether | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| Tert-amyl methyl ether | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| Ethyl tert-butyl ether | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| Di-isopropyl ether | 18.0 | | µg/l | | 20.0 | | 90 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 189 | | µg/l | | 200 | | 94 | 70-130 | | |
| 1,4-Dioxane | 222 | | µg/l | | 200 | | 111 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 18.7 | | µg/l | | 20.0 | | 94 | 70-130 | | |
| Ethanol | 485 | | µg/l | | 400 | | 121 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 50.7 | | µg/l | | 50.0 | | 101 | 70-130 | | |
| Surrogate: Toluene-d8 | 50.5 | | µg/l | | 50.0 | | 101 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.0 | | µg/l | | 50.0 | | 100 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 53.7 | | µg/l | | 50.0 | | 107 | 70-130 | | |
| LCS Dup (1424392-B5D1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|----------|-------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424392 - SW846 5030 Water MS | | | | | | | | | | |
| LCS Dup (1424392-BSD1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 17.7 | | µg/l | | 20.0 | | 89 | 70-130 | 17 | 20 |
| Acetone | 18.9 | | µg/l | | 20.0 | | 95 | 70-130 | 8 | 20 |
| Acrylonitrile | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 5 | 20 |
| Benzene | 19.0 | | µg/l | | 20.0 | | 95 | 70-130 | 14 | 20 |
| Bromobenzene | 19.1 | | µg/l | | 20.0 | | 95 | 70-130 | 12 | 20 |
| Bromochloromethane | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 10 | 20 |
| Bromodichloromethane | 18.8 | | µg/l | | 20.0 | | 94 | 70-130 | 12 | 20 |
| Bromoform | 19.1 | | µg/l | | 20.0 | | 96 | 70-130 | 6 | 20 |
| Bromomethane | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 18 | 20 |
| 2-Butanone (MEK) | 25.0 | QR5 | µg/l | | 20.0 | | 125 | 70-130 | 65 | 20 |
| n-Butylbenzene | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | 13 | 20 |
| sec-Butylbenzene | 19.7 | | µg/l | | 20.0 | | 99 | 70-130 | 14 | 20 |
| tert-Butylbenzene | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 16 | 20 |
| Carbon disulfide | 19.5 | | µg/l | | 20.0 | | 97 | 70-130 | 15 | 20 |
| Carbon tetrachloride | 18.0 | | µg/l | | 20.0 | | 90 | 70-130 | 15 | 20 |
| Chlorobenzene | 18.1 | | µg/l | | 20.0 | | 90 | 70-130 | 11 | 20 |
| Chloroethane | 19.9 | | µg/l | | 20.0 | | 100 | 70-130 | 19 | 20 |
| Chloroform | 18.8 | | µg/l | | 20.0 | | 94 | 70-130 | 13 | 20 |
| Chloromethane | 19.7 | | µg/l | | 20.0 | | 99 | 70-130 | 20 | 20 |
| 2-Chlorotoluene | 20.1 | | µg/l | | 20.0 | | 100 | 70-130 | 7 | 20 |
| 4-Chlorotoluene | 19.8 | | µg/l | | 20.0 | | 99 | 70-130 | 10 | 20 |
| 1,2-Dibromo-3-chloropropane | 20.5 | | µg/l | | 20.0 | | 102 | 70-130 | 7 | 20 |
| Dibromochloromethane | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | 10 | 20 |
| 1,2-Dibromoethane (EDB) | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 11 | 20 |
| Dibromomethane | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | 12 | 20 |
| 1,2-Dichlorobenzene | 19.2 | | µg/l | | 20.0 | | 96 | 70-130 | 9 | 20 |
| 1,3-Dichlorobenzene | 19.2 | | µg/l | | 20.0 | | 96 | 70-130 | 11 | 20 |
| 1,4-Dichlorobenzene | 17.4 | | µg/l | | 20.0 | | 87 | 70-130 | 8 | 20 |
| Dichlorodifluoromethane (Freon12) | 19.0 | | µg/l | | 20.0 | | 95 | 70-130 | 19 | 20 |
| 1,1-Dichloroethane | 12.9 | QM9, QR5 | µg/l | | 20.0 | | 65 | 70-130 | 54 | 20 |
| 1,2-Dichloroethane | 18.5 | | µg/l | | 20.0 | | 92 | 70-130 | 13 | 20 |
| 1,1-Dichloroethene | 17.8 | | µg/l | | 20.0 | | 89 | 70-130 | 16 | 20 |
| cis-1,2-Dichloroethene | 20.9 | | µg/l | | 20.0 | | 104 | 70-130 | 4 | 20 |
| trans-1,2-Dichloroethene | 18.3 | | µg/l | | 20.0 | | 92 | 70-130 | 17 | 20 |
| 1,2-Dichloropropane | 19.2 | | µg/l | | 20.0 | | 96 | 70-130 | 13 | 20 |
| 1,3-Dichloropropane | 19.1 | | µg/l | | 20.0 | | 95 | 70-130 | 10 | 20 |
| 2,2-Dichloropropane | 20.7 | | µg/l | | 20.0 | | 104 | 70-130 | 19 | 20 |
| 1,1-Dichloropropene | 18.4 | | µg/l | | 20.0 | | 92 | 70-130 | 18 | 20 |
| cis-1,3-Dichloropropene | 18.5 | | µg/l | | 20.0 | | 93 | 70-130 | 10 | 20 |
| trans-1,3-Dichloropropene | 18.6 | | µg/l | | 20.0 | | 93 | 70-130 | 10 | 20 |
| Ethylbenzene | 19.8 | | µg/l | | 20.0 | | 99 | 70-130 | 11 | 20 |
| Hexachlorobutadiene | 18.9 | | µg/l | | 20.0 | | 95 | 70-130 | 11 | 20 |
| 2-Hexanone (MBK) | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | 11 | 20 |
| Isopropylbenzene | 18.9 | | µg/l | | 20.0 | | 95 | 70-130 | 10 | 20 |
| 4-Isopropyltoluene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | 9 | 20 |
| Methyl tert-butyl ether | 10.2 | QM9, QR5 | µg/l | | 20.0 | | 51 | 70-130 | 57 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 9 | 20 |
| Methylene chloride | 18.1 | | µg/l | | 20.0 | | 90 | 70-130 | 11 | 20 |
| Naphthalene | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | 5 | 20 |
| n-Propylbenzene | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | 18 | 20 |
| Styrene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 10 | 20 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|---------------------------|---|---|------|-------------|-----|-----------|
| Batch 1424392 - SW846 5030 Water MS | | | | | | | | | | |
| LCS Dup (1424392-BSD1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,1,1,2-Tetrachloroethane | 20.7 | | µg/l | | 20.0 | | 104 | 70-130 | 7 | 20 |
| 1,1,2,2-Tetrachloroethane | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | 5 | 20 |
| Tetrachloroethene | 18.2 | | µg/l | | 20.0 | | 91 | 70-130 | 15 | 20 |
| Toluene | 18.3 | | µg/l | | 20.0 | | 91 | 70-130 | 14 | 20 |
| 1,2,3-Trichlorobenzene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 7 | 20 |
| 1,2,4-Trichlorobenzene | 20.9 | | µg/l | | 20.0 | | 104 | 70-130 | 7 | 20 |
| 1,3,5-Trichlorobenzene | 19.5 | | µg/l | | 20.0 | | 98 | 70-130 | 11 | 20 |
| 1,1,1-Trichloroethane | 18.7 | | µg/l | | 20.0 | | 94 | 70-130 | 14 | 20 |
| 1,1,2-Trichloroethane | 19.1 | | µg/l | | 20.0 | | 96 | 70-130 | 10 | 20 |
| Trichloroethene | 17.6 | | µg/l | | 20.0 | | 88 | 70-130 | 15 | 20 |
| Trichlorofluoromethane (Freon 11) | 18.0 | | µg/l | | 20.0 | | 90 | 70-130 | 17 | 20 |
| 1,2,3-Trichloropropane | 19.7 | | µg/l | | 20.0 | | 99 | 70-130 | 7 | 20 |
| 1,2,4-Trimethylbenzene | 20.5 | | µg/l | | 20.0 | | 103 | 70-130 | 13 | 20 |
| 1,3,5-Trimethylbenzene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 11 | 20 |
| Vinyl chloride | 19.3 | | µg/l | | 20.0 | | 96 | 70-130 | 20 | 20 |
| m,p-Xylene | 19.3 | | µg/l | | 20.0 | | 96 | 70-130 | 12 | 20 |
| o-Xylene | 19.7 | | µg/l | | 20.0 | | 99 | 70-130 | 13 | 20 |
| Tetrahydrofuran | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | 2 | 20 |
| Ethyl ether | 18.4 | | µg/l | | 20.0 | | 92 | 70-130 | 9 | 20 |
| Tert-amyl methyl ether | 18.6 | | µg/l | | 20.0 | | 93 | 70-130 | 7 | 20 |
| Ethyl tert-butyl ether | 18.7 | | µg/l | | 20.0 | | 93 | 70-130 | 10 | 20 |
| Di-isopropyl ether | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 15 | 20 |
| Tert-Butanol / butyl alcohol | 176 | | µg/l | | 200 | | 88 | 70-130 | 7 | 20 |
| 1,4-Dioxane | 189 | | µg/l | | 200 | | 94 | 70-130 | 18 | 20 |
| trans-1,4-Dichloro-2-butene | 18.2 | | µg/l | | 20.0 | | 91 | 70-130 | 3 | 20 |
| Ethanol | 454 | | µg/l | | 400 | | 113 | 70-130 | 7 | 20 |
| Surrogate: 4-Bromofluorobenzene | 50.8 | | µg/l | | 50.0 | | 102 | 70-130 | | |
| Surrogate: Toluene-d8 | 50.3 | | µg/l | | 50.0 | | 101 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.8 | | µg/l | | 50.0 | | 98 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 54.9 | | µg/l | | 50.0 | | 110 | 70-130 | | |
| Matrix Spike (1424392-MS1) | | | | Source: SB98028-18 | | Prepared & Analyzed: 16-Oct-14 | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 21.6 | | µg/l | | 20.0 | BRL | 108 | 70-130 | | |
| Acetone | 16.6 | | µg/l | | 20.0 | BRL | 83 | 70-130 | | |
| Acrylonitrile | 18.9 | | µg/l | | 20.0 | BRL | 94 | 70-130 | | |
| Benzene | 19.8 | | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| Bromobenzene | 20.7 | | µg/l | | 20.0 | BRL | 104 | 70-130 | | |
| Bromochloromethane | 18.8 | | µg/l | | 20.0 | BRL | 94 | 70-130 | | |
| Bromodichloromethane | 19.6 | | µg/l | | 20.0 | BRL | 98 | 70-130 | | |
| Bromoform | 19.9 | | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| Bromomethane | 20.4 | | µg/l | | 20.0 | BRL | 102 | 70-130 | | |
| 2-Butanone (MEK) | 17.8 | | µg/l | | 20.0 | BRL | 89 | 70-130 | | |
| n-Butylbenzene | 24.8 | | µg/l | | 20.0 | BRL | 124 | 70-130 | | |
| sec-Butylbenzene | 23.5 | | µg/l | | 20.0 | BRL | 117 | 70-130 | | |
| tert-Butylbenzene | 23.8 | | µg/l | | 20.0 | BRL | 119 | 70-130 | | |
| Carbon disulfide | 18.8 | | µg/l | | 20.0 | BRL | 94 | 70-130 | | |
| Carbon tetrachloride | 19.9 | | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| Chlorobenzene | 19.6 | | µg/l | | 20.0 | BRL | 98 | 70-130 | | |
| Chloroethane | 21.0 | | µg/l | | 20.0 | BRL | 105 | 70-130 | | |
| Chloroform | 16.6 | | µg/l | | 20.0 | BRL | 83 | 70-130 | | |
| Chloromethane | 20.2 | | µg/l | | 20.0 | BRL | 101 | 70-130 | | |
| 2-Chlorotoluene | 20.1 | | µg/l | | 20.0 | BRL | 100 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|----------------------------------|------|-------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424392 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Matrix Spike (1424392-MS1)</u> | <u>Source: SB98028-18</u> | | | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | |
| 4-Chlorotoluene | 22.2 | | µg/l | | 20.0 | BRL | 111 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 18.3 | | µg/l | | 20.0 | BRL | 92 | 70-130 | | |
| Dibromochloromethane | 20.6 | | µg/l | | 20.0 | BRL | 103 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 20.2 | | µg/l | | 20.0 | BRL | 101 | 70-130 | | |
| Dibromomethane | 19.7 | | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| 1,2-Dichlorobenzene | 19.8 | | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| 1,3-Dichlorobenzene | 21.6 | | µg/l | | 20.0 | BRL | 108 | 70-130 | | |
| 1,4-Dichlorobenzene | 18.8 | | µg/l | | 20.0 | BRL | 94 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 21.0 | | µg/l | | 20.0 | BRL | 105 | 70-130 | | |
| 1,1-Dichloroethane | 20.8 | | µg/l | | 20.0 | BRL | 104 | 70-130 | | |
| 1,2-Dichloroethane | 18.8 | | µg/l | | 20.0 | BRL | 94 | 70-130 | | |
| 1,1-Dichloroethene | 19.2 | | µg/l | | 20.0 | BRL | 96 | 70-130 | | |
| cis-1,2-Dichloroethene | 20.5 | | µg/l | | 20.0 | BRL | 102 | 70-130 | | |
| trans-1,2-Dichloroethene | 19.3 | | µg/l | | 20.0 | BRL | 97 | 70-130 | | |
| 1,2-Dichloropropane | 20.0 | | µg/l | | 20.0 | BRL | 100 | 70-130 | | |
| 1,3-Dichloropropane | 19.6 | | µg/l | | 20.0 | BRL | 98 | 70-130 | | |
| 2,2-Dichloropropane | 22.5 | | µg/l | | 20.0 | BRL | 113 | 70-130 | | |
| 1,1-Dichloropropene | 20.8 | | µg/l | | 20.0 | BRL | 104 | 70-130 | | |
| cis-1,3-Dichloropropene | 19.5 | | µg/l | | 20.0 | BRL | 98 | 70-130 | | |
| trans-1,3-Dichloropropene | 19.5 | | µg/l | | 20.0 | BRL | 97 | 70-130 | | |
| Ethylbenzene | 21.9 | | µg/l | | 20.0 | BRL | 109 | 70-130 | | |
| Hexachlorobutadiene | 22.6 | | µg/l | | 20.0 | BRL | 113 | 70-130 | | |
| 2-Hexanone (MBK) | 17.3 | | µg/l | | 20.0 | BRL | 86 | 70-130 | | |
| Isopropylbenzene | 21.2 | | µg/l | | 20.0 | BRL | 106 | 70-130 | | |
| 4-Isopropyltoluene | 22.9 | | µg/l | | 20.0 | BRL | 114 | 70-130 | | |
| Methyl tert-butyl ether | 15.5 | | µg/l | | 20.0 | BRL | 77 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 18.1 | | µg/l | | 20.0 | BRL | 90 | 70-130 | | |
| Methylene chloride | 18.2 | | µg/l | | 20.0 | BRL | 91 | 70-130 | | |
| Naphthalene | 18.5 | | µg/l | | 20.0 | BRL | 92 | 70-130 | | |
| n-Propylbenzene | 24.3 | | µg/l | | 20.0 | BRL | 121 | 70-130 | | |
| Styrene | 23.2 | | µg/l | | 20.0 | BRL | 116 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 22.0 | | µg/l | | 20.0 | BRL | 110 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 21.2 | | µg/l | | 20.0 | BRL | 106 | 70-130 | | |
| Tetrachloroethene | 21.1 | | µg/l | | 20.0 | BRL | 105 | 70-130 | | |
| Toluene | 19.6 | | µg/l | | 20.0 | BRL | 98 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 21.4 | | µg/l | | 20.0 | BRL | 107 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 22.6 | | µg/l | | 20.0 | BRL | 113 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 22.4 | | µg/l | | 20.0 | BRL | 112 | 70-130 | | |
| 1,1,1-Trichloroethane | 20.2 | | µg/l | | 20.0 | BRL | 101 | 70-130 | | |
| 1,1,2-Trichloroethane | 19.7 | | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| Trichloroethene | 18.1 | | µg/l | | 20.0 | BRL | 90 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 20.0 | | µg/l | | 20.0 | BRL | 100 | 70-130 | | |
| 1,2,3-Trichloropropane | 18.8 | | µg/l | | 20.0 | BRL | 94 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 23.4 | | µg/l | | 20.0 | BRL | 117 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 23.6 | | µg/l | | 20.0 | BRL | 118 | 70-130 | | |
| Vinyl chloride | 20.9 | | µg/l | | 20.0 | BRL | 104 | 70-130 | | |
| m,p-Xylene | 21.8 | | µg/l | | 20.0 | BRL | 109 | 70-130 | | |
| o-Xylene | 21.9 | | µg/l | | 20.0 | BRL | 109 | 70-130 | | |
| Tetrahydrofuran | 17.8 | | µg/l | | 20.0 | BRL | 89 | 70-130 | | |
| Ethyl ether | 18.0 | | µg/l | | 20.0 | BRL | 90 | 70-130 | | |
| Tert-amyl methyl ether | 18.5 | | µg/l | | 20.0 | BRL | 92 | 70-130 | | |
| Ethyl tert-butyl ether | 14.0 | | µg/l | | 20.0 | BRL | 70 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|----------------------------------|------|-------|------|--|---------------|------|-------------|------|-----------|
| Batch 1424392 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Matrix Spike (1424392-MS1)</u> | <u>Source: SB98028-18</u> | | | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | |
| Di-isopropyl ether | 18.2 | | µg/l | | 20.0 | BRL | 91 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 167 | | µg/l | | 200 | BRL | 83 | 70-130 | | |
| 1,4-Dioxane | 173 | | µg/l | | 200 | BRL | 87 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 17.8 | | µg/l | | 20.0 | BRL | 89 | 70-130 | | |
| Ethanol | 385 | | µg/l | | 400 | BRL | 96 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 51.9 | | µg/l | | 50.0 | | 104 | 70-130 | | |
| Surrogate: Toluene-d8 | 48.7 | | µg/l | | 50.0 | | 97 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.8 | | µg/l | | 50.0 | | 100 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 45.8 | | µg/l | | 50.0 | | 92 | 70-130 | | |
| <u>Matrix Spike Dup (1424392-MSD1)</u> | <u>Source: SB98028-18</u> | | | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 21.4 | | µg/l | | 20.0 | BRL | 107 | 70-130 | 0.7 | 20 |
| Acetone | 21.8 | QR5 | µg/l | | 20.0 | BRL | 109 | 70-130 | 27 | 20 |
| Acrylonitrile | 22.7 | | µg/l | | 20.0 | BRL | 113 | 70-130 | 18 | 20 |
| Benzene | 21.3 | | µg/l | | 20.0 | BRL | 106 | 70-130 | 7 | 20 |
| Bromobenzene | 21.6 | | µg/l | | 20.0 | BRL | 108 | 70-130 | 4 | 20 |
| Bromochloromethane | 20.0 | | µg/l | | 20.0 | BRL | 100 | 70-130 | 6 | 20 |
| Bromodichloromethane | 21.0 | | µg/l | | 20.0 | BRL | 105 | 70-130 | 7 | 20 |
| Bromoform | 21.6 | | µg/l | | 20.0 | BRL | 108 | 70-130 | 8 | 20 |
| Bromomethane | 21.6 | | µg/l | | 20.0 | BRL | 108 | 70-130 | 6 | 20 |
| 2-Butanone (MEK) | 19.6 | | µg/l | | 20.0 | BRL | 98 | 70-130 | 10 | 20 |
| n-Butylbenzene | 24.9 | | µg/l | | 20.0 | BRL | 124 | 70-130 | 0.5 | 20 |
| sec-Butylbenzene | 23.6 | | µg/l | | 20.0 | BRL | 118 | 70-130 | 0.8 | 20 |
| tert-Butylbenzene | 24.2 | | µg/l | | 20.0 | BRL | 121 | 70-130 | 2 | 20 |
| Carbon disulfide | 18.8 | | µg/l | | 20.0 | BRL | 94 | 70-130 | 0.05 | 20 |
| Carbon tetrachloride | 20.4 | | µg/l | | 20.0 | BRL | 102 | 70-130 | 3 | 20 |
| Chlorobenzene | 20.6 | | µg/l | | 20.0 | BRL | 103 | 70-130 | 5 | 20 |
| Chloroethane | 21.8 | | µg/l | | 20.0 | BRL | 109 | 70-130 | 4 | 20 |
| Chloroform | 17.8 | | µg/l | | 20.0 | BRL | 89 | 70-130 | 7 | 20 |
| Chloromethane | 20.5 | | µg/l | | 20.0 | BRL | 102 | 70-130 | 2 | 20 |
| 2-Chlorotoluene | 20.6 | | µg/l | | 20.0 | BRL | 103 | 70-130 | 2 | 20 |
| 4-Chlorotoluene | 23.0 | | µg/l | | 20.0 | BRL | 115 | 70-130 | 3 | 20 |
| 1,2-Dibromo-3-chloropropane | 22.5 | | µg/l | | 20.0 | BRL | 112 | 70-130 | 20 | 20 |
| Dibromochloromethane | 21.5 | | µg/l | | 20.0 | BRL | 108 | 70-130 | 4 | 20 |
| 1,2-Dibromoethane (EDB) | 22.0 | | µg/l | | 20.0 | BRL | 110 | 70-130 | 9 | 20 |
| Dibromomethane | 21.0 | | µg/l | | 20.0 | BRL | 105 | 70-130 | 7 | 20 |
| 1,2-Dichlorobenzene | 21.8 | | µg/l | | 20.0 | BRL | 109 | 70-130 | 9 | 20 |
| 1,3-Dichlorobenzene | 22.0 | | µg/l | | 20.0 | BRL | 110 | 70-130 | 1 | 20 |
| 1,4-Dichlorobenzene | 20.0 | | µg/l | | 20.0 | BRL | 100 | 70-130 | 6 | 20 |
| Dichlorodifluoromethane (Freon12) | 20.5 | | µg/l | | 20.0 | BRL | 102 | 70-130 | 3 | 20 |
| 1,1-Dichloroethane | 21.6 | | µg/l | | 20.0 | BRL | 108 | 70-130 | 4 | 20 |
| 1,2-Dichloroethane | 20.1 | | µg/l | | 20.0 | BRL | 101 | 70-130 | 7 | 20 |
| 1,1-Dichloroethene | 19.6 | | µg/l | | 20.0 | BRL | 98 | 70-130 | 2 | 20 |
| cis-1,2-Dichloroethene | 21.4 | | µg/l | | 20.0 | BRL | 107 | 70-130 | 4 | 20 |
| trans-1,2-Dichloroethene | 20.0 | | µg/l | | 20.0 | BRL | 100 | 70-130 | 4 | 20 |
| 1,2-Dichloropropane | 21.8 | | µg/l | | 20.0 | BRL | 109 | 70-130 | 8 | 20 |
| 1,3-Dichloropropane | 20.9 | | µg/l | | 20.0 | BRL | 104 | 70-130 | 6 | 20 |
| 2,2-Dichloropropane | 22.3 | | µg/l | | 20.0 | BRL | 112 | 70-130 | 1 | 20 |
| 1,1-Dichloropropene | 21.1 | | µg/l | | 20.0 | BRL | 106 | 70-130 | 1 | 20 |
| cis-1,3-Dichloropropene | 20.3 | | µg/l | | 20.0 | BRL | 101 | 70-130 | 4 | 20 |
| trans-1,3-Dichloropropene | 19.6 | | µg/l | | 20.0 | BRL | 98 | 70-130 | 0.9 | 20 |
| Ethylbenzene | 22.6 | | µg/l | | 20.0 | BRL | 113 | 70-130 | 3 | 20 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424392 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Matrix Spike Dup (1424392-MSD1)</u> | | | | | | | | | | |
| | | | | | | | | | | |
| Hexachlorobutadiene | 22.3 | | µg/l | | 20.0 | BRL | 112 | 70-130 | 1 | 20 |
| 2-Hexanone (MBK) | 22.8 | QR5 | µg/l | | 20.0 | BRL | 114 | 70-130 | 27 | 20 |
| Isopropylbenzene | 22.1 | | µg/l | | 20.0 | BRL | 110 | 70-130 | 4 | 20 |
| 4-Isopropyltoluene | 23.4 | | µg/l | | 20.0 | BRL | 117 | 70-130 | 2 | 20 |
| Methyl tert-butyl ether | 17.3 | | µg/l | | 20.0 | BRL | 87 | 70-130 | 11 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 23.6 | QR5 | µg/l | | 20.0 | BRL | 118 | 70-130 | 27 | 20 |
| Methylene chloride | 18.9 | | µg/l | | 20.0 | BRL | 94 | 70-130 | 3 | 20 |
| Naphthalene | 22.9 | QR5 | µg/l | | 20.0 | BRL | 114 | 70-130 | 21 | 20 |
| n-Propylbenzene | 24.8 | | µg/l | | 20.0 | BRL | 124 | 70-130 | 2 | 20 |
| Styrene | 23.9 | | µg/l | | 20.0 | BRL | 120 | 70-130 | 3 | 20 |
| 1,1,1,2-Tetrachloroethane | 23.6 | | µg/l | | 20.0 | BRL | 118 | 70-130 | 7 | 20 |
| 1,1,2,2-Tetrachloroethane | 25.0 | | µg/l | | 20.0 | BRL | 125 | 70-130 | 16 | 20 |
| Tetrachloroethene | 20.6 | | µg/l | | 20.0 | BRL | 103 | 70-130 | 2 | 20 |
| Toluene | 20.6 | | µg/l | | 20.0 | BRL | 103 | 70-130 | 5 | 20 |
| 1,2,3-Trichlorobenzene | 23.8 | | µg/l | | 20.0 | BRL | 119 | 70-130 | 11 | 20 |
| 1,2,4-Trichlorobenzene | 23.8 | | µg/l | | 20.0 | BRL | 119 | 70-130 | 5 | 20 |
| 1,3,5-Trichlorobenzene | 23.1 | | µg/l | | 20.0 | BRL | 115 | 70-130 | 3 | 20 |
| 1,1,1-Trichloroethane | 20.5 | | µg/l | | 20.0 | BRL | 102 | 70-130 | 1 | 20 |
| 1,1,2-Trichloroethane | 21.6 | | µg/l | | 20.0 | BRL | 108 | 70-130 | 9 | 20 |
| Trichloroethene | 19.3 | | µg/l | | 20.0 | BRL | 97 | 70-130 | 7 | 20 |
| Trichlorofluoromethane (Freon 11) | 20.2 | | µg/l | | 20.0 | BRL | 101 | 70-130 | 1 | 20 |
| 1,2,3-Trichloropropane | 21.9 | | µg/l | | 20.0 | BRL | 110 | 70-130 | 15 | 20 |
| 1,2,4-Trimethylbenzene | 23.7 | | µg/l | | 20.0 | BRL | 119 | 70-130 | 1 | 20 |
| 1,3,5-Trimethylbenzene | 24.1 | | µg/l | | 20.0 | BRL | 121 | 70-130 | 2 | 20 |
| Vinyl chloride | 20.6 | | µg/l | | 20.0 | BRL | 103 | 70-130 | 1 | 20 |
| m,p-Xylene | 22.7 | | µg/l | | 20.0 | BRL | 114 | 70-130 | 4 | 20 |
| o-Xylene | 23.1 | | µg/l | | 20.0 | BRL | 115 | 70-130 | 5 | 20 |
| Tetrahydrofuran | 21.1 | | µg/l | | 20.0 | BRL | 105 | 70-130 | 17 | 20 |
| Ethyl ether | 20.2 | | µg/l | | 20.0 | BRL | 101 | 70-130 | 11 | 20 |
| Tert-amyl methyl ether | 20.3 | | µg/l | | 20.0 | BRL | 102 | 70-130 | 9 | 20 |
| Ethyl tert-butyl ether | 15.6 | | µg/l | | 20.0 | BRL | 78 | 70-130 | 10 | 20 |
| Di-isopropyl ether | 18.6 | | µg/l | | 20.0 | BRL | 93 | 70-130 | 2 | 20 |
| Tert-Butanol / butyl alcohol | 200 | | µg/l | | 200 | BRL | 100 | 70-130 | 18 | 20 |
| 1,4-Dioxane | 217 | QR5 | µg/l | | 200 | BRL | 109 | 70-130 | 22 | 20 |
| trans-1,4-Dichloro-2-butene | 19.3 | | µg/l | | 20.0 | BRL | 97 | 70-130 | 8 | 20 |
| Ethanol | 480 | QR5 | µg/l | | 400 | BRL | 120 | 70-130 | 22 | 20 |
| Surrogate: 4-Bromofluorobenzene | 51.6 | | µg/l | | 50.0 | | 103 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.6 | | µg/l | | 50.0 | | 99 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.9 | | µg/l | | 50.0 | | 100 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 45.9 | | µg/l | | 50.0 | | 92 | 70-130 | | |

Batch 1424395 - SW846 5030 Water MS

Blank (1424395-BLK1)

Prepared & Analyzed: 16-Oct-14

| | | | |
|--|--------|------|------|
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | µg/l | 1.0 |
| Acetone | < 10.0 | µg/l | 10.0 |
| Acrylonitrile | < 0.5 | µg/l | 0.5 |
| Benzene | < 1.0 | µg/l | 1.0 |
| Bromobenzene | < 1.0 | µg/l | 1.0 |
| Bromochloromethane | < 1.0 | µg/l | 1.0 |
| Bromodichloromethane | < 0.5 | µg/l | 0.5 |
| Bromoform | < 1.0 | µg/l | 1.0 |
| Bromomethane | < 2.0 | µg/l | 2.0 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|-------------------------------------|--------|------|-------|------|--------------------------------|---------------|------|-------------|-----|-----------|
| Batch 1424395 - SW846 5030 Water MS | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| Blank (1424395-BLK1) | | | | | | | | | | |
| 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | | | | | | |
| n-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Carbon disulfide | < 2.0 | | µg/l | 2.0 | | | | | | |
| Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chloroethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| Chloroform | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chloromethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | | | | | | |
| Dibromochloromethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | | | | | | |
| Dibromomethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | | | | | | |
| 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | | | | | | |
| cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | | | | | | |
| trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | | | | | | |
| Ethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | | | | | | |
| 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | | | | | | |
| Isopropylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | | | | | | |
| Methylene chloride | < 2.0 | | µg/l | 2.0 | | | | | | |
| Naphthalene | < 1.0 | | µg/l | 1.0 | | | | | | |
| n-Propylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Styrene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| Tetrachloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Toluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| Trichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|-------------|------|-------------|------|---|---------------|------------|---------------|-----|-----------|
| Batch 1424395 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Blank (1424395-BLK1)</u> | | | | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | |
| Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Vinyl chloride | < 1.0 | | µg/l | 1.0 | | | | | | |
| m,p-Xylene | < 2.0 | | µg/l | 2.0 | | | | | | |
| o-Xylene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | | | | | | |
| Ethyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | | | | | | |
| 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | | | | | | |
| Ethanol | < 400 | | µg/l | 400 | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>50.2</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>100</i> | <i>70-130</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>49.4</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>99</i> | <i>70-130</i> | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>51.1</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>102</i> | <i>70-130</i> | | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>49.6</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>99</i> | <i>70-130</i> | | |
| <u>LCS (1424395-B51)</u> | | | | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 22.3 | | µg/l | | 20.0 | | 112 | 70-130 | | |
| Acetone | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| Acrylonitrile | 21.8 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| Benzene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| Bromobenzene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| Bromochloromethane | 23.8 | | µg/l | | 20.0 | | 119 | 70-130 | | |
| Bromodichloromethane | 21.9 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| Bromoform | 24.5 | | µg/l | | 20.0 | | 122 | 70-130 | | |
| Bromomethane | 19.7 | | µg/l | | 20.0 | | 98 | 70-130 | | |
| 2-Butanone (MEK) | 23.2 | | µg/l | | 20.0 | | 116 | 70-130 | | |
| n-Butylbenzene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| sec-Butylbenzene | 22.2 | | µg/l | | 20.0 | | 111 | 70-130 | | |
| tert-Butylbenzene | 22.4 | | µg/l | | 20.0 | | 112 | 70-130 | | |
| Carbon disulfide | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| Carbon tetrachloride | 23.8 | | µg/l | | 20.0 | | 119 | 70-130 | | |
| Chlorobenzene | 20.7 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| Chloroethane | 22.5 | | µg/l | | 20.0 | | 113 | 70-130 | | |
| Chloroform | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| Chloromethane | 19.3 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| 2-Chlorotoluene | 20.9 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| 4-Chlorotoluene | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| Dibromochloromethane | 23.6 | | µg/l | | 20.0 | | 118 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| Dibromomethane | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 1,2-Dichlorobenzene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 1,3-Dichlorobenzene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| 1,4-Dichlorobenzene | 19.7 | | µg/l | | 20.0 | | 98 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 26.2 | | µg/l | | 20.0 | | 131 | 70-130 | | |
| 1,1-Dichloroethane | 22.3 | | µg/l | | 20.0 | | 112 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424395 - SW846 5030 Water MS | | | | | | | | | | |
| LCS (1424395-BS1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,2-Dichloroethane | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 1,1-Dichloroethene | 22.4 | | µg/l | | 20.0 | | 112 | 70-130 | | |
| cis-1,2-Dichloroethene | 23.5 | | µg/l | | 20.0 | | 118 | 70-130 | | |
| trans-1,2-Dichloroethene | 21.3 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| 1,2-Dichloropropane | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| 1,3-Dichloropropane | 20.1 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| 2,2-Dichloropropane | 23.5 | | µg/l | | 20.0 | | 117 | 70-130 | | |
| 1,1-Dichloropropene | 22.2 | | µg/l | | 20.0 | | 111 | 70-130 | | |
| cis-1,3-Dichloropropene | 22.4 | | µg/l | | 20.0 | | 112 | 70-130 | | |
| trans-1,3-Dichloropropene | 23.2 | | µg/l | | 20.0 | | 116 | 70-130 | | |
| Ethylbenzene | 21.9 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| Hexachlorobutadiene | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| 2-Hexanone (MBK) | 22.1 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| Isopropylbenzene | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| 4-Isopropyltoluene | 21.5 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| Methyl tert-butyl ether | 21.9 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 21.5 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| Methylene chloride | 19.9 | | µg/l | | 20.0 | | 99 | 70-130 | | |
| Naphthalene | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| n-Propylbenzene | 21.3 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| Styrene | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 23.0 | | µg/l | | 20.0 | | 115 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| Tetrachloroethene | 20.9 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| Toluene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 20.9 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 22.4 | | µg/l | | 20.0 | | 112 | 70-130 | | |
| 1,1,1-Trichloroethane | 22.7 | | µg/l | | 20.0 | | 114 | 70-130 | | |
| 1,1,2-Trichloroethane | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| Trichloroethene | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 22.2 | | µg/l | | 20.0 | | 111 | 70-130 | | |
| 1,2,3-Trichloropropane | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 22.4 | | µg/l | | 20.0 | | 112 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 22.2 | | µg/l | | 20.0 | | 111 | 70-130 | | |
| Vinyl chloride | 23.9 | | µg/l | | 20.0 | | 119 | 70-130 | | |
| m,p-Xylene | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| o-Xylene | 22.2 | | µg/l | | 20.0 | | 111 | 70-130 | | |
| Tetrahydrofuran | 21.7 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| Ethyl ether | 22.6 | | µg/l | | 20.0 | | 113 | 70-130 | | |
| Tert-amyl methyl ether | 18.8 | | µg/l | | 20.0 | | 94 | 70-130 | | |
| Ethyl tert-butyl ether | 21.9 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| Di-isopropyl ether | 23.2 | | µg/l | | 20.0 | | 116 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 195 | | µg/l | | 200 | | 98 | 70-130 | | |
| 1,4-Dioxane | 195 | | µg/l | | 200 | | 98 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 22.1 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| Ethanol | 311 | | µg/l | | 400 | | 78 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 50.6 | | µg/l | | 50.0 | | 101 | 70-130 | | |
| Surrogate: Toluene-d8 | 50.6 | | µg/l | | 50.0 | | 101 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.2 | | µg/l | | 50.0 | | 100 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 51.3 | | µg/l | | 50.0 | | 103 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424395 - SW846 5030 Water MS | | | | | | | | | | |
| LCS Dup (1424395-BSD1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 5 | 20 |
| Acetone | 21.9 | | µg/l | | 20.0 | | 110 | 70-130 | 12 | 20 |
| Acrylonitrile | 22.4 | | µg/l | | 20.0 | | 112 | 70-130 | 3 | 20 |
| Benzene | 19.8 | | µg/l | | 20.0 | | 99 | 70-130 | 7 | 20 |
| Bromobenzene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 3 | 20 |
| Bromochloromethane | 23.9 | | µg/l | | 20.0 | | 120 | 70-130 | 0.4 | 20 |
| Bromodichloromethane | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 3 | 20 |
| Bromoform | 23.6 | | µg/l | | 20.0 | | 118 | 70-130 | 3 | 20 |
| Bromomethane | 18.9 | | µg/l | | 20.0 | | 95 | 70-130 | 4 | 20 |
| 2-Butanone (MEK) | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | 15 | 20 |
| n-Butylbenzene | 19.9 | | µg/l | | 20.0 | | 100 | 70-130 | 4 | 20 |
| sec-Butylbenzene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | 6 | 20 |
| tert-Butylbenzene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 7 | 20 |
| Carbon disulfide | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | 6 | 20 |
| Carbon tetrachloride | 21.3 | | µg/l | | 20.0 | | 107 | 70-130 | 11 | 20 |
| Chlorobenzene | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | 7 | 20 |
| Chloroethane | 21.5 | | µg/l | | 20.0 | | 107 | 70-130 | 5 | 20 |
| Chloroform | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | 0.5 | 20 |
| Chloromethane | 17.6 | | µg/l | | 20.0 | | 88 | 70-130 | 9 | 20 |
| 2-Chlorotoluene | 19.7 | | µg/l | | 20.0 | | 98 | 70-130 | 6 | 20 |
| 4-Chlorotoluene | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | 5 | 20 |
| 1,2-Dibromo-3-chloropropane | 19.8 | | µg/l | | 20.0 | | 99 | 70-130 | 4 | 20 |
| Dibromochloromethane | 23.0 | | µg/l | | 20.0 | | 115 | 70-130 | 3 | 20 |
| 1,2-Dibromoethane (EDB) | 20.9 | | µg/l | | 20.0 | | 105 | 70-130 | 2 | 20 |
| Dibromomethane | 20.7 | | µg/l | | 20.0 | | 103 | 70-130 | 1 | 20 |
| 1,2-Dichlorobenzene | 20.1 | | µg/l | | 20.0 | | 100 | 70-130 | 5 | 20 |
| 1,3-Dichlorobenzene | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 5 | 20 |
| 1,4-Dichlorobenzene | 18.8 | | µg/l | | 20.0 | | 94 | 70-130 | 4 | 20 |
| Dichlorodifluoromethane (Freon12) | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | 20 | 20 |
| 1,1-Dichloroethane | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | 11 | 20 |
| 1,2-Dichloroethane | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 4 | 20 |
| 1,1-Dichloroethene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 9 | 20 |
| cis-1,2-Dichloroethene | 19.6 | | µg/l | | 20.0 | | 98 | 70-130 | 18 | 20 |
| trans-1,2-Dichloroethene | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 5 | 20 |
| 1,2-Dichloropropane | 19.2 | | µg/l | | 20.0 | | 96 | 70-130 | 6 | 20 |
| 1,3-Dichloropropane | 20.1 | | µg/l | | 20.0 | | 101 | 70-130 | 0.1 | 20 |
| 2,2-Dichloropropane | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | 6 | 20 |
| 1,1-Dichloropropene | 20.3 | | µg/l | | 20.0 | | 102 | 70-130 | 9 | 20 |
| cis-1,3-Dichloropropene | 21.9 | | µg/l | | 20.0 | | 109 | 70-130 | 2 | 20 |
| trans-1,3-Dichloropropene | 23.1 | | µg/l | | 20.0 | | 115 | 70-130 | 0.6 | 20 |
| Ethylbenzene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 6 | 20 |
| Hexachlorobutadiene | 20.7 | | µg/l | | 20.0 | | 104 | 70-130 | 4 | 20 |
| 2-Hexanone (MBK) | 21.9 | | µg/l | | 20.0 | | 110 | 70-130 | 0.8 | 20 |
| Isopropylbenzene | 20.1 | | µg/l | | 20.0 | | 101 | 70-130 | 5 | 20 |
| 4-Isopropyltoluene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | 7 | 20 |
| Methyl tert-butyl ether | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | 4 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 21.5 | | µg/l | | 20.0 | | 108 | 70-130 | 0.3 | 20 |
| Methylene chloride | 20.5 | | µg/l | | 20.0 | | 102 | 70-130 | 3 | 20 |
| Naphthalene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | 0.6 | 20 |
| n-Propylbenzene | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 6 | 20 |
| Styrene | 20.5 | | µg/l | | 20.0 | | 103 | 70-130 | 5 | 20 |
| 1,1,1,2-Tetrachloroethane | 21.9 | | µg/l | | 20.0 | | 109 | 70-130 | 5 | 20 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424395 - SW846 5030 Water MS | | | | | | | | | | |
| LCS Dup (1424395-BSD1) | | | | | Prepared & Analyzed: 16-Oct-14 | | | | | |
| 1,1,2,2-Tetrachloroethane | 20.5 | | µg/l | | 20.0 | | 103 | 70-130 | 1 | 20 |
| Tetrachloroethene | 19.9 | | µg/l | | 20.0 | | 100 | 70-130 | 5 | 20 |
| Toluene | 19.9 | | µg/l | | 20.0 | | 99 | 70-130 | 4 | 20 |
| 1,2,3-Trichlorobenzene | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 3 | 20 |
| 1,2,4-Trichlorobenzene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 2 | 20 |
| 1,3,5-Trichlorobenzene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 6 | 20 |
| 1,1,1-Trichloroethane | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | 8 | 20 |
| 1,1,2-Trichloroethane | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 1 | 20 |
| Trichloroethene | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | 5 | 20 |
| Trichlorofluoromethane (Freon 11) | 20.7 | | µg/l | | 20.0 | | 104 | 70-130 | 7 | 20 |
| 1,2,3-Trichloropropane | 20.7 | | µg/l | | 20.0 | | 103 | 70-130 | 1 | 20 |
| 1,2,4-Trimethylbenzene | 21.3 | | µg/l | | 20.0 | | 106 | 70-130 | 5 | 20 |
| 1,3,5-Trimethylbenzene | 20.7 | | µg/l | | 20.0 | | 104 | 70-130 | 7 | 20 |
| Vinyl chloride | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 12 | 20 |
| m,p-Xylene | 20.9 | | µg/l | | 20.0 | | 104 | 70-130 | 3 | 20 |
| o-Xylene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | 6 | 20 |
| Tetrahydrofuran | 21.7 | | µg/l | | 20.0 | | 108 | 70-130 | 0.3 | 20 |
| Ethyl ether | 22.1 | | µg/l | | 20.0 | | 110 | 70-130 | 2 | 20 |
| Tert-amyl methyl ether | 18.2 | | µg/l | | 20.0 | | 91 | 70-130 | 3 | 20 |
| Ethyl tert-butyl ether | 21.7 | | µg/l | | 20.0 | | 108 | 70-130 | 1 | 20 |
| Di-isopropyl ether | 19.0 | | µg/l | | 20.0 | | 95 | 70-130 | 20 | 20 |
| Tert-Butanol / butyl alcohol | 202 | | µg/l | | 200 | | 101 | 70-130 | 3 | 20 |
| 1,4-Dioxane | 188 | | µg/l | | 200 | | 94 | 70-130 | 4 | 20 |
| trans-1,4-Dichloro-2-butene | 22.4 | | µg/l | | 20.0 | | 112 | 70-130 | 1 | 20 |
| Ethanol | 321 | | µg/l | | 400 | | 80 | 70-130 | 3 | 20 |
| Surrogate: 4-Bromofluorobenzene | 50.9 | | µg/l | | 50.0 | | 102 | 70-130 | | |
| Surrogate: Toluene-d8 | 50.5 | | µg/l | | 50.0 | | 101 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.4 | | µg/l | | 50.0 | | 101 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 51.9 | | µg/l | | 50.0 | | 104 | 70-130 | | |

Batch 1424512 - SW846 5035A Soil (low level)

| | | | | | | | | | | |
|--|--------|--|-----------|---|--|--|--|--|--|--|
| Blank (1424512-BLK1) | | | | Prepared & Analyzed: 17-Oct-14 | | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Acetone | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Acrylonitrile | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Benzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromochloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromodichloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromoform | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromomethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 2-Butanone (MEK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| n-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| sec-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| tert-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Carbon disulfide | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Carbon tetrachloride | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chloroethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Chloroform | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chloromethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 2-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-----------|------|--------------------------------|---------------|------|-------------|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | Prepared & Analyzed: 17-Oct-14 | | | | | |
| Blank (1424512-BLK1) | | | | | | | | | | |
| 4-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Dibromochloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Dibromomethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,4-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 1,1-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| cis-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| trans-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 2,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| cis-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| trans-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Ethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Hexachlorobutadiene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 2-Hexanone (MBK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Isopropylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Isopropyltoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Methyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Methylene chloride | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Naphthalene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| n-Propylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Styrene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tetrachloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Toluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,1-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,2-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Trichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,3-Trichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Vinyl chloride | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| m,p-Xylene | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| o-Xylene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tetrahydrofuran | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Ethyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tert-amyl methyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Ethyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Blank (1424512-BLK1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| Di-isopropyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| 1,4-Dioxane | < 100 | | µg/kg wet | 100 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 25.0 | | µg/kg wet | 25.0 | | | | | | |
| Ethanol | < 2000 | | µg/kg wet | 2000 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 48.6 | | µg/kg wet | | 50.0 | | 97 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.7 | | µg/kg wet | | 50.0 | | 99 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 54.6 | | µg/kg wet | | 50.0 | | 109 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 49.9 | | µg/kg wet | | 50.0 | | 100 | 70-130 | | |
| <u>LCS (1424512-BB1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Acetone | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Acrylonitrile | 20.9 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Benzene | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| Bromobenzene | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Bromochloromethane | 20.5 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Bromodichloromethane | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Bromoform | 21.3 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| Bromomethane | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 2-Butanone (MEK) | 22.8 | | µg/kg wet | | 20.0 | | 114 | 70-130 | | |
| n-Butylbenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| sec-Butylbenzene | 20.3 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| tert-Butylbenzene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Carbon disulfide | 18.9 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| Carbon tetrachloride | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Chlorobenzene | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Chloroethane | 19.7 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Chloroform | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| Chloromethane | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 2-Chlorotoluene | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 4-Chlorotoluene | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Dibromochloromethane | 19.9 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Dibromomethane | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| 1,2-Dichlorobenzene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 1,3-Dichlorobenzene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 1,4-Dichlorobenzene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| 1,1-Dichloroethane | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,2-Dichloroethane | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| 1,1-Dichloroethene | 19.1 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| cis-1,2-Dichloroethene | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| trans-1,2-Dichloroethene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,2-Dichloropropane | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| 1,3-Dichloropropane | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| 2,2-Dichloropropane | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| 1,1-Dichloropropene | 19.3 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| cis-1,3-Dichloropropene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| trans-1,3-Dichloropropene | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Ethylbenzene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | | | | | | |
| LCS (1424512-B51) | | | | | Prepared & Analyzed: 17-Oct-14 | | | | | |
| Hexachlorobutadiene | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 2-Hexanone (MBK) | 16.2 | | µg/kg wet | | 20.0 | | 81 | 70-130 | | |
| Isopropylbenzene | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 4-Isopropyltoluene | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Methyl tert-butyl ether | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Methylene chloride | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Naphthalene | 17.9 | | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| n-Propylbenzene | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Styrene | 21.3 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Tetrachloroethene | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Toluene | 19.5 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 20.3 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,1,1-Trichloroethane | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,1,2-Trichloroethane | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Trichloroethene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| 1,2,3-Trichloropropane | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Vinyl chloride | 19.5 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| m,p-Xylene | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| o-Xylene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Tetrahydrofuran | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Ethyl ether | 21.3 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| Tert-amyl methyl ether | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| Ethyl tert-butyl ether | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Di-isopropyl ether | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 183 | | µg/kg wet | | 200 | | 91 | 70-130 | | |
| 1,4-Dioxane | 193 | | µg/kg wet | | 200 | | 97 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 17.9 | | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| Ethanol | 392 | | µg/kg wet | | 400 | | 98 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 51.4 | | µg/kg wet | | 50.0 | | 103 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.9 | | µg/kg wet | | 50.0 | | 100 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.6 | | µg/kg wet | | 50.0 | | 97 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 50.3 | | µg/kg wet | | 50.0 | | 101 | 70-130 | | |
| LCS Dup (1424512-B5D1) | | | | | Prepared & Analyzed: 17-Oct-14 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 16.7 | | µg/kg wet | | 20.0 | | 84 | 70-130 | 11 | 30 |
| Acetone | 20.9 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 1 | 30 |
| Acrylonitrile | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 0.3 | 30 |
| Benzene | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 6 | 30 |
| Bromobenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 2 | 30 |
| Bromochloromethane | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 6 | 30 |
| Bromodichloromethane | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 5 | 30 |
| Bromoform | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 2 | 30 |
| Bromomethane | 19.1 | | µg/kg wet | | 20.0 | | 95 | 70-130 | 9 | 30 |
| 2-Butanone (MEK) | 16.5 | QR2 | µg/kg wet | | 20.0 | | 83 | 70-130 | 32 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | | | | | | |
| LCS Dup (1424512-BSD1) | | | | | Prepared & Analyzed: 17-Oct-14 | | | | | |
| n-Butylbenzene | 18.7 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 5 | 30 |
| sec-Butylbenzene | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 5 | 30 |
| tert-Butylbenzene | 19.9 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 3 | 30 |
| Carbon disulfide | 17.9 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 5 | 30 |
| Carbon tetrachloride | 17.0 | | µg/kg wet | | 20.0 | | 85 | 70-130 | 9 | 30 |
| Chlorobenzene | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 4 | 30 |
| Chloroethane | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 9 | 30 |
| Chloroform | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 8 | 30 |
| Chloromethane | 18.1 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 5 | 30 |
| 2-Chlorotoluene | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 6 | 30 |
| 4-Chlorotoluene | 19.9 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 4 | 30 |
| 1,2-Dibromo-3-chloropropane | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 0.9 | 30 |
| Dibromochloromethane | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 3 | 30 |
| 1,2-Dibromoethane (EDB) | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 5 | 30 |
| Dibromomethane | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 3 | 30 |
| 1,2-Dichlorobenzene | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 6 | 30 |
| 1,3-Dichlorobenzene | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 3 | 30 |
| 1,4-Dichlorobenzene | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 5 | 30 |
| Dichlorodifluoromethane (Freon12) | 17.3 | | µg/kg wet | | 20.0 | | 86 | 70-130 | 6 | 30 |
| 1,1-Dichloroethane | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 9 | 30 |
| 1,2-Dichloroethane | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 4 | 30 |
| 1,1-Dichloroethene | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 7 | 30 |
| cis-1,2-Dichloroethene | 18.7 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 7 | 30 |
| trans-1,2-Dichloroethene | 17.7 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 8 | 30 |
| 1,2-Dichloropropane | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 6 | 30 |
| 1,3-Dichloropropane | 19.5 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 2 | 30 |
| 2,2-Dichloropropane | 15.9 | | µg/kg wet | | 20.0 | | 80 | 70-130 | 8 | 30 |
| 1,1-Dichloropropene | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 7 | 30 |
| cis-1,3-Dichloropropene | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 7 | 30 |
| trans-1,3-Dichloropropene | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 2 | 30 |
| Ethylbenzene | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 2 | 30 |
| Hexachlorobutadiene | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | 10 | 30 |
| 2-Hexanone (MBK) | 16.7 | | µg/kg wet | | 20.0 | | 83 | 70-130 | 3 | 30 |
| Isopropylbenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 4 | 30 |
| 4-Isopropyltoluene | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | 7 | 30 |
| Methyl tert-butyl ether | 20.1 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 3 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 19.5 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 0.6 | 30 |
| Methylene chloride | 17.7 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 9 | 30 |
| Naphthalene | 17.0 | | µg/kg wet | | 20.0 | | 85 | 70-130 | 5 | 30 |
| n-Propylbenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 5 | 30 |
| Styrene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 2 | 30 |
| 1,1,1,2-Tetrachloroethane | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 4 | 30 |
| 1,1,2,2-Tetrachloroethane | 21.1 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 2 | 30 |
| Tetrachloroethene | 17.7 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 5 | 30 |
| Toluene | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 5 | 30 |
| 1,2,3-Trichlorobenzene | 17.9 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 5 | 30 |
| 1,2,4-Trichlorobenzene | 16.7 | | µg/kg wet | | 20.0 | | 83 | 70-130 | 5 | 30 |
| 1,3,5-Trichlorobenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 3 | 30 |
| 1,1,1-Trichloroethane | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | 11 | 30 |
| 1,1,2-Trichloroethane | 19.8 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 2 | 30 |
| Trichloroethene | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 7 | 30 |
| Trichlorofluoromethane (Freon 11) | 16.6 | | µg/kg wet | | 20.0 | | 83 | 70-130 | 8 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|---|---------------|---|-------------|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | | | | | | |
| LCS Dup (1424512-BSD1) | | | | | Prepared & Analyzed: 17-Oct-14 | | | | | |
| 1,2,3-Trichloropropane | 20.3 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 0.2 | 30 |
| 1,2,4-Trimethylbenzene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 3 | 30 |
| 1,3,5-Trimethylbenzene | 20.1 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 3 | 30 |
| Vinyl chloride | 17.7 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 10 | 30 |
| m,p-Xylene | 19.9 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 3 | 30 |
| o-Xylene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 2 | 30 |
| Tetrahydrofuran | 18.5 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 1 | 30 |
| Ethyl ether | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 4 | 30 |
| Tert-amyl methyl ether | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 3 | 30 |
| Ethyl tert-butyl ether | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 4 | 30 |
| Di-isopropyl ether | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 4 | 30 |
| Tert-Butanol / butyl alcohol | 195 | | µg/kg wet | | 200 | | 97 | 70-130 | 6 | 30 |
| 1,4-Dioxane | 173 | | µg/kg wet | | 200 | | 87 | 70-130 | 11 | 30 |
| trans-1,4-Dichloro-2-butene | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 2 | 30 |
| Ethanol | 383 | | µg/kg wet | | 400 | | 96 | 70-130 | 2 | 30 |
| Surrogate: 4-Bromofluorobenzene | 52.4 | | µg/kg wet | | 50.0 | | 105 | 70-130 | | |
| Surrogate: Toluene-d8 | 50.0 | | µg/kg wet | | 50.0 | | 100 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.2 | | µg/kg wet | | 50.0 | | 96 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 49.0 | | µg/kg wet | | 50.0 | | 98 | 70-130 | | |
| Matrix Spike (1424512-MS1) | | | | | Source: SB98028-17RE1 | | Prepared & Analyzed: 17-Oct-14 | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 20.5 | | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | | |
| Acetone | 54.8 | QM7 | µg/kg dry | | 20.0 | 55.0 | -0.9 | 70-130 | | |
| Acrylonitrile | 21.2 | | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | | |
| Benzene | 19.6 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | | |
| Bromobenzene | 14.8 | | µg/kg dry | | 20.0 | BRL | 74 | 70-130 | | |
| Bromochloromethane | 19.9 | | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | | |
| Bromodichloromethane | 17.4 | | µg/kg dry | | 20.0 | BRL | 87 | 70-130 | | |
| Bromoform | 16.0 | | µg/kg dry | | 20.0 | BRL | 80 | 70-130 | | |
| Bromomethane | 20.2 | | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | | |
| 2-Butanone (MEK) | 26.0 | QM7 | µg/kg dry | | 20.0 | 16.7 | 46 | 70-130 | | |
| n-Butylbenzene | 16.1 | | µg/kg dry | | 20.0 | BRL | 80 | 70-130 | | |
| sec-Butylbenzene | 17.4 | | µg/kg dry | | 20.0 | BRL | 87 | 70-130 | | |
| tert-Butylbenzene | 17.8 | | µg/kg dry | | 20.0 | BRL | 89 | 70-130 | | |
| Carbon disulfide | 19.7 | | µg/kg dry | | 20.0 | 0.5 | 96 | 70-130 | | |
| Carbon tetrachloride | 19.1 | | µg/kg dry | | 20.0 | BRL | 95 | 70-130 | | |
| Chlorobenzene | 16.4 | | µg/kg dry | | 20.0 | BRL | 82 | 70-130 | | |
| Chloroethane | 20.2 | | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | | |
| Chloroform | 18.8 | | µg/kg dry | | 20.0 | BRL | 94 | 70-130 | | |
| Chloromethane | 19.6 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | | |
| 2-Chlorotoluene | 15.8 | | µg/kg dry | | 20.0 | BRL | 79 | 70-130 | | |
| 4-Chlorotoluene | 15.3 | | µg/kg dry | | 20.0 | BRL | 76 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 13.5 | QM7 | µg/kg dry | | 20.0 | BRL | 68 | 70-130 | | |
| Dibromochloromethane | 16.5 | | µg/kg dry | | 20.0 | BRL | 83 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 19.5 | | µg/kg dry | | 20.0 | BRL | 97 | 70-130 | | |
| Dibromomethane | 19.0 | | µg/kg dry | | 20.0 | BRL | 95 | 70-130 | | |
| 1,2-Dichlorobenzene | 12.6 | QM7 | µg/kg dry | | 20.0 | BRL | 63 | 70-130 | | |
| 1,3-Dichlorobenzene | 13.2 | QM7 | µg/kg dry | | 20.0 | BRL | 66 | 70-130 | | |
| 1,4-Dichlorobenzene | 12.5 | QM7 | µg/kg dry | | 20.0 | BRL | 63 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 21.8 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| 1,1-Dichloroethane | 19.3 | | µg/kg dry | | 20.0 | BRL | 96 | 70-130 | | |
| 1,2-Dichloroethane | 18.9 | | µg/kg dry | | 20.0 | BRL | 94 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|------------------------------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | | | | | | |
| Matrix Spike (1424512-MS1) | Source: SB98028-17RE1 | | | | Prepared & Analyzed: 17-Oct-14 | | | | | |
| 1,1-Dichloroethene | 21.1 | | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | | |
| cis-1,2-Dichloroethene | 19.6 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | | |
| trans-1,2-Dichloroethene | 19.9 | | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | | |
| 1,2-Dichloropropane | 19.0 | | µg/kg dry | | 20.0 | BRL | 95 | 70-130 | | |
| 1,3-Dichloropropane | 18.7 | | µg/kg dry | | 20.0 | BRL | 94 | 70-130 | | |
| 2,2-Dichloropropane | 19.5 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | | |
| 1,1-Dichloropropene | 20.7 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | | |
| cis-1,3-Dichloropropene | 15.4 | | µg/kg dry | | 20.0 | BRL | 77 | 70-130 | | |
| trans-1,3-Dichloropropene | 14.3 | | µg/kg dry | | 20.0 | BRL | 72 | 70-130 | | |
| Ethylbenzene | 18.9 | | µg/kg dry | | 20.0 | BRL | 95 | 70-130 | | |
| Hexachlorobutadiene | 12.2 | QM7 | µg/kg dry | | 20.0 | BRL | 61 | 70-130 | | |
| 2-Hexanone (MBK) | 14.9 | | µg/kg dry | | 20.0 | BRL | 74 | 70-130 | | |
| Isopropylbenzene | 18.3 | | µg/kg dry | | 20.0 | BRL | 91 | 70-130 | | |
| 4-Isopropyltoluene | 17.0 | | µg/kg dry | | 20.0 | BRL | 85 | 70-130 | | |
| Methyl tert-butyl ether | 21.1 | | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 19.8 | | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | | |
| Methylene chloride | 19.3 | | µg/kg dry | | 20.0 | 0.7 | 93 | 70-130 | | |
| Naphthalene | 7.2 | QM7 | µg/kg dry | | 20.0 | BRL | 36 | 70-130 | | |
| n-Propylbenzene | 17.9 | | µg/kg dry | | 20.0 | BRL | 90 | 70-130 | | |
| Styrene | 11.5 | QM7 | µg/kg dry | | 20.0 | BRL | 58 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 17.2 | | µg/kg dry | | 20.0 | BRL | 86 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 18.4 | | µg/kg dry | | 20.0 | BRL | 92 | 70-130 | | |
| Tetrachloroethene | 19.2 | | µg/kg dry | | 20.0 | BRL | 96 | 70-130 | | |
| Toluene | 18.9 | | µg/kg dry | | 20.0 | BRL | 95 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 7.2 | QM7 | µg/kg dry | | 20.0 | BRL | 36 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 7.5 | QM7 | µg/kg dry | | 20.0 | BRL | 38 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 10.6 | QM7 | µg/kg dry | | 20.0 | BRL | 53 | 70-130 | | |
| 1,1,1-Trichloroethane | 19.7 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | | |
| 1,1,2-Trichloroethane | 18.8 | | µg/kg dry | | 20.0 | BRL | 94 | 70-130 | | |
| Trichloroethene | 19.1 | | µg/kg dry | | 20.0 | BRL | 95 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 20.2 | | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | | |
| 1,2,3-Trichloropropane | 18.5 | | µg/kg dry | | 20.0 | BRL | 92 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 16.3 | | µg/kg dry | | 20.0 | BRL | 82 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 16.7 | | µg/kg dry | | 20.0 | BRL | 83 | 70-130 | | |
| Vinyl chloride | 20.9 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | | |
| m,p-Xylene | 18.7 | | µg/kg dry | | 20.0 | BRL | 93 | 70-130 | | |
| o-Xylene | 17.9 | | µg/kg dry | | 20.0 | BRL | 90 | 70-130 | | |
| Tetrahydrofuran | 22.5 | | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | | |
| Ethyl ether | 20.7 | | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | | |
| Tert-amyl methyl ether | 19.7 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | | |
| Ethyl tert-butyl ether | 20.1 | | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | | |
| Di-isopropyl ether | 20.7 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 236 | | µg/kg dry | | 200 | BRL | 118 | 70-130 | | |
| 1,4-Dioxane | 275 | QM7 | µg/kg dry | | 200 | BRL | 138 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 9.4 | QM7 | µg/kg dry | | 20.0 | BRL | 47 | 70-130 | | |
| Ethanol | 436 | | µg/kg dry | | 400 | 86.3 | 87 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 51.7 | | µg/kg dry | | 50.0 | | 103 | 70-130 | | |
| Surrogate: Toluene-d8 | 50.2 | | µg/kg dry | | 50.0 | | 100 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 53.2 | | µg/kg dry | | 50.0 | | 106 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 52.0 | | µg/kg dry | | 50.0 | | 104 | 70-130 | | |
| Matrix Spike Dup (1424512-MSD1) | Source: SB98028-17RE1 | | | | Prepared: 17-Oct-14 Analyzed: 18-Oct-14 | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|----------|-----------|------------------------------|-------------|---------------|------|--|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | | | | | | |
| Matrix Spike Dup (1424512-MSD1) | | | | | | | | | | |
| | | | | Source: SB98028-17RE1 | | | | Prepared: 17-Oct-14 Analyzed: 18-Oct-14 | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 22.2 | | µg/kg dry | | 20.0 | BRL | 111 | 70-130 | 8 | 30 |
| Acetone | 23.1 | QM7, QR5 | µg/kg dry | | 20.0 | 60.0 | -185 | 70-130 | NR | 30 |
| Acrylonitrile | 22.6 | | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | 6 | 30 |
| Benzene | 22.1 | | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 12 | 30 |
| Bromobenzene | 18.2 | | µg/kg dry | | 20.0 | BRL | 91 | 70-130 | 20 | 30 |
| Bromochloromethane | 21.6 | | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | 8 | 30 |
| Bromodichloromethane | 20.0 | | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | 14 | 30 |
| Bromoform | 19.4 | | µg/kg dry | | 20.0 | BRL | 97 | 70-130 | 19 | 30 |
| Bromomethane | 21.3 | | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | 5 | 30 |
| 2-Butanone (MEK) | 13.7 | QM7, QR5 | µg/kg dry | | 20.0 | 18.2 | -23 | 70-130 | NR | 30 |
| n-Butylbenzene | 18.6 | | µg/kg dry | | 20.0 | BRL | 93 | 70-130 | 15 | 30 |
| sec-Butylbenzene | 19.8 | | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | 13 | 30 |
| tert-Butylbenzene | 20.2 | | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | 13 | 30 |
| Carbon disulfide | 18.9 | | µg/kg dry | | 20.0 | 0.5 | 92 | 70-130 | 5 | 30 |
| Carbon tetrachloride | 21.5 | | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | 12 | 30 |
| Chlorobenzene | 20.1 | | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | 20 | 30 |
| Chloroethane | 21.9 | | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 8 | 30 |
| Chloroform | 20.4 | | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | 9 | 30 |
| Chloromethane | 19.5 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | 0.4 | 30 |
| 2-Chlorotoluene | 18.4 | | µg/kg dry | | 20.0 | BRL | 92 | 70-130 | 15 | 30 |
| 4-Chlorotoluene | 18.5 | | µg/kg dry | | 20.0 | BRL | 93 | 70-130 | 19 | 30 |
| 1,2-Dibromo-3-chloropropane | 17.7 | | µg/kg dry | | 20.0 | BRL | 88 | 70-130 | 27 | 30 |
| Dibromochloromethane | 19.4 | | µg/kg dry | | 20.0 | BRL | 97 | 70-130 | 18 | 30 |
| 1,2-Dibromoethane (EDB) | 21.9 | | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 12 | 30 |
| Dibromomethane | 21.2 | | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | 11 | 30 |
| 1,2-Dichlorobenzene | 15.5 | | µg/kg dry | | 20.0 | BRL | 78 | 70-130 | 21 | 30 |
| 1,3-Dichlorobenzene | 15.9 | | µg/kg dry | | 20.0 | BRL | 79 | 70-130 | 19 | 30 |
| 1,4-Dichlorobenzene | 15.1 | | µg/kg dry | | 20.0 | BRL | 76 | 70-130 | 19 | 30 |
| Dichlorodifluoromethane (Freon12) | 23.4 | | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | 7 | 30 |
| 1,1-Dichloroethane | 21.4 | | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | 10 | 30 |
| 1,2-Dichloroethane | 20.8 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | 10 | 30 |
| 1,1-Dichloroethene | 22.7 | | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | 7 | 30 |
| cis-1,2-Dichloroethene | 21.5 | | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | 9 | 30 |
| trans-1,2-Dichloroethene | 21.7 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | 9 | 30 |
| 1,2-Dichloropropane | 21.4 | | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | 12 | 30 |
| 1,3-Dichloropropane | 21.2 | | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | 13 | 30 |
| 2,2-Dichloropropane | 21.7 | | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | 11 | 30 |
| 1,1-Dichloropropene | 22.6 | | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | 8 | 30 |
| cis-1,3-Dichloropropene | 17.7 | | µg/kg dry | | 20.0 | BRL | 88 | 70-130 | 14 | 30 |
| trans-1,3-Dichloropropene | 17.1 | | µg/kg dry | | 20.0 | BRL | 85 | 70-130 | 18 | 30 |
| Ethylbenzene | 21.8 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | 14 | 30 |
| Hexachlorobutadiene | 15.0 | | µg/kg dry | | 20.0 | BRL | 75 | 70-130 | 21 | 30 |
| 2-Hexanone (MBK) | 11.0 | QM7 | µg/kg dry | | 20.0 | BRL | 55 | 70-130 | 30 | 30 |
| Isopropylbenzene | 20.8 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | 13 | 30 |
| 4-Isopropyltoluene | 19.6 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | 14 | 30 |
| Methyl tert-butyl ether | 22.7 | | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | 7 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 19.6 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | 1 | 30 |
| Methylene chloride | 20.8 | | µg/kg dry | | 20.0 | 0.8 | 100 | 70-130 | 7 | 30 |
| Naphthalene | 7.6 | QM7 | µg/kg dry | | 20.0 | BRL | 38 | 70-130 | 6 | 30 |
| n-Propylbenzene | 20.8 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | 15 | 30 |
| Styrene | 17.3 | QR5 | µg/kg dry | | 20.0 | BRL | 86 | 70-130 | 40 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|----------|-----------|------------------------------|-------------|--|------|-------------|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | | | | | | |
| Matrix Spike Dup (1424512-MSD1) | | | | Source: SB98028-17RE1 | | Prepared: 17-Oct-14 Analyzed: 18-Oct-14 | | | | |
| 1,1,1,2-Tetrachloroethane | 20.6 | | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | 18 | 30 |
| 1,1,2,2-Tetrachloroethane | 21.0 | | µg/kg dry | | 20.0 | BRL | 105 | 70-130 | 14 | 30 |
| Tetrachloroethene | 20.9 | | µg/kg dry | | 20.0 | BRL | 105 | 70-130 | 9 | 30 |
| Toluene | 21.1 | | µg/kg dry | | 20.0 | BRL | 105 | 70-130 | 11 | 30 |
| 1,2,3-Trichlorobenzene | 7.8 | QM7 | µg/kg dry | | 20.0 | BRL | 39 | 70-130 | 9 | 30 |
| 1,2,4-Trichlorobenzene | 8.4 | QM7 | µg/kg dry | | 20.0 | BRL | 42 | 70-130 | 11 | 30 |
| 1,3,5-Trichlorobenzene | 12.8 | QM7 | µg/kg dry | | 20.0 | BRL | 64 | 70-130 | 18 | 30 |
| 1,1,1-Trichloroethane | 22.0 | | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 11 | 30 |
| 1,1,2-Trichloroethane | 21.5 | | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | 14 | 30 |
| Trichloroethene | 21.2 | | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | 10 | 30 |
| Trichlorofluoromethane (Freon 11) | 21.6 | | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | 7 | 30 |
| 1,2,3-Trichloropropane | 21.4 | | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | 14 | 30 |
| 1,2,4-Trimethylbenzene | 18.6 | | µg/kg dry | | 20.0 | BRL | 93 | 70-130 | 13 | 30 |
| 1,3,5-Trimethylbenzene | 19.1 | | µg/kg dry | | 20.0 | BRL | 96 | 70-130 | 14 | 30 |
| Vinyl chloride | 22.3 | | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | 7 | 30 |
| m,p-Xylene | 21.6 | | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | 14 | 30 |
| o-Xylene | 21.0 | | µg/kg dry | | 20.0 | BRL | 105 | 70-130 | 16 | 30 |
| Tetrahydrofuran | 22.1 | | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 2 | 30 |
| Ethyl ether | 22.5 | | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | 8 | 30 |
| Tert-amyl methyl ether | 21.4 | | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | 9 | 30 |
| Ethyl tert-butyl ether | 22.5 | | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | 11 | 30 |
| Di-isopropyl ether | 22.3 | | µg/kg dry | | 20.0 | BRL | 111 | 70-130 | 7 | 30 |
| Tert-Butanol / butyl alcohol | 230 | | µg/kg dry | | 200 | BRL | 115 | 70-130 | 3 | 30 |
| 1,4-Dioxane | 252 | | µg/kg dry | | 200 | BRL | 126 | 70-130 | 9 | 30 |
| trans-1,4-Dichloro-2-butene | 11.6 | QM7 | µg/kg dry | | 20.0 | BRL | 58 | 70-130 | 22 | 30 |
| Ethanol | 303 | QM7, QR5 | µg/kg dry | | 400 | 94.1 | 52 | 70-130 | 50 | 30 |
| Surrogate: 4-Bromofluorobenzene | 51.8 | | µg/kg dry | | 50.0 | | 104 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.6 | | µg/kg dry | | 50.0 | | 99 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 52.0 | | µg/kg dry | | 50.0 | | 104 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 51.1 | | µg/kg dry | | 50.0 | | 102 | 70-130 | | |

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|---------|------|-----------|-------|--|---------------|--|-------------|-----|-----------|
| Batch 1424725 - SW846 3050B | | | | | | | | | | |
| <u>Blank (1424725-BLK1)</u> | | | | | <u>Prepared: 21-Oct-14 Analyzed: 23-Oct-14</u> | | | | | |
| Sodium | < 24.0 | | mg/kg wet | 24.0 | | | | | | |
| Manganese | < 0.959 | | mg/kg wet | 0.959 | | | | | | |
| Chromium | < 0.959 | | mg/kg wet | 0.959 | | | | | | |
| Arsenic | < 1.44 | | mg/kg wet | 1.44 | | | | | | |
| Nickel | < 0.959 | | mg/kg wet | 0.959 | | | | | | |
| Lead | < 1.44 | | mg/kg wet | 1.44 | | | | | | |
| Zinc | < 0.959 | | mg/kg wet | 0.959 | | | | | | |
| Copper | < 0.959 | | mg/kg wet | 0.959 | | | | | | |
| Cadmium | < 0.480 | | mg/kg wet | 0.480 | | | | | | |
| <u>Duplicate (1424725-DUP1)</u> | | | | | <u>Source: SB98028-16</u> | | <u>Prepared: 21-Oct-14 Analyzed: 24-Oct-14</u> | | | |
| Manganese | 157 | | mg/kg dry | 1.32 | | 159 | | | 1 | 20 |
| Sodium | 71.4 | | mg/kg dry | 33.0 | | 78.4 | | | 9 | 20 |
| Chromium | 7.62 | | mg/kg dry | 1.32 | | 8.40 | | | 10 | 20 |
| Nickel | 9.06 | | mg/kg dry | 1.32 | | 9.94 | | | 9 | 20 |
| Lead | 4.42 | | mg/kg dry | 1.98 | | 4.19 | | | 5 | 20 |
| Zinc | 33.8 | | mg/kg dry | 1.32 | | 34.8 | | | 3 | 20 |
| Cadmium | 0.164 | J | mg/kg dry | 0.660 | | 0.141 | | | 15 | 20 |
| Arsenic | < 1.98 | | mg/kg dry | 1.98 | | BRL | | | | 20 |
| Copper | 8.41 | | mg/kg dry | 1.32 | | 9.38 | | | 11 | 20 |
| <u>Matrix Spike (1424725-MS1)</u> | | | | | <u>Source: SB98028-16</u> | | <u>Prepared: 21-Oct-14 Analyzed: 24-Oct-14</u> | | | |
| Manganese | 362 | | mg/kg dry | 1.36 | 169 | 159 | 120 | 75-125 | | |
| Sodium | 1170 | QM8 | mg/kg dry | 33.9 | 847 | 78.4 | 129 | 75-125 | | |
| Zinc | 182 | | mg/kg dry | 1.36 | 169 | 34.8 | 87 | 75-125 | | |
| Lead | 149 | | mg/kg dry | 2.03 | 169 | 4.19 | 86 | 75-125 | | |
| Nickel | 157 | | mg/kg dry | 1.36 | 169 | 9.94 | 86 | 75-125 | | |
| Arsenic | 140 | | mg/kg dry | 2.03 | 169 | BRL | 83 | 75-125 | | |
| Cadmium | 153 | | mg/kg dry | 0.678 | 169 | 0.141 | 90 | 75-125 | | |
| Copper | 169 | | mg/kg dry | 1.36 | 169 | 9.38 | 94 | 75-125 | | |
| Chromium | 160 | | mg/kg dry | 1.36 | 169 | 8.40 | 90 | 75-125 | | |
| <u>Matrix Spike Dup (1424725-MSD1)</u> | | | | | <u>Source: SB98028-16</u> | | <u>Prepared: 21-Oct-14 Analyzed: 24-Oct-14</u> | | | |
| Sodium | 1130 | QM8 | mg/kg dry | 33.1 | 828 | 78.4 | 127 | 75-125 | 4 | 20 |
| Manganese | 342 | | mg/kg dry | 1.32 | 166 | 159 | 111 | 75-125 | 6 | 20 |
| Copper | 168 | | mg/kg dry | 1.32 | 166 | 9.38 | 96 | 75-125 | 0.7 | 20 |
| Chromium | 156 | | mg/kg dry | 1.32 | 166 | 8.40 | 89 | 75-125 | 3 | 20 |
| Cadmium | 151 | | mg/kg dry | 0.662 | 166 | 0.141 | 91 | 75-125 | 1 | 20 |
| Arsenic | 139 | | mg/kg dry | 1.99 | 166 | BRL | 84 | 75-125 | 1 | 20 |
| Nickel | 156 | | mg/kg dry | 1.32 | 166 | 9.94 | 88 | 75-125 | 0.5 | 20 |
| Lead | 149 | | mg/kg dry | 1.99 | 166 | 4.19 | 87 | 75-125 | 0.2 | 20 |
| Zinc | 177 | | mg/kg dry | 1.32 | 166 | 34.8 | 86 | 75-125 | 3 | 20 |
| <u>Post Spike (1424725-PS1)</u> | | | | | <u>Source: SB98028-16</u> | | <u>Prepared: 21-Oct-14 Analyzed: 24-Oct-14</u> | | | |
| Sodium | 908 | | mg/kg dry | 33.3 | 834 | 78.4 | 99 | 80-120 | | |
| Manganese | 301 | | mg/kg dry | 1.33 | 167 | 159 | 85 | 80-120 | | |
| Zinc | 190 | | mg/kg dry | 1.33 | 167 | 34.8 | 93 | 80-120 | | |
| Nickel | 163 | | mg/kg dry | 1.33 | 167 | 9.94 | 92 | 80-120 | | |
| Arsenic | 147 | | mg/kg dry | 2.00 | 167 | BRL | 88 | 80-120 | | |
| Cadmium | 159 | | mg/kg dry | 0.667 | 167 | 0.141 | 95 | 80-120 | | |
| Chromium | 165 | | mg/kg dry | 1.33 | 167 | 8.40 | 94 | 80-120 | | |
| Copper | 174 | | mg/kg dry | 1.33 | 167 | 9.38 | 99 | 80-120 | | |
| Lead | 156 | | mg/kg dry | 2.00 | 167 | 4.19 | 91 | 80-120 | | |
| <u>Reference (1424725-SRM1)</u> | | | | | <u>Prepared: 21-Oct-14 Analyzed: 23-Oct-14</u> | | | | | |

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|---------|------|-----------|-------|-------------|---------------|------|--|-----|-----------|
| Batch 1424725 - SW846 3050B | | | | | | | | | | |
| <u>Reference (1424725-SRM1)</u> | | | | | | | | <u>Prepared: 21-Oct-14 Analyzed: 23-Oct-14</u> | | |
| Sodium | 369 | | mg/kg wet | 25.0 | 380 | | 97 | 71.71-128.28 | | |
| Manganese | 275 | | mg/kg wet | 1.00 | 286 | | 96 | 81.34-118.47 | | |
| Chromium | 58.4 | | mg/kg wet | 1.00 | 59.5 | | 98 | 79.4-120.51 | | |
| Zinc | 143 | | mg/kg wet | 1.00 | 156 | | 92 | 80.06-120.26 | | |
| Lead | 115 | | mg/kg wet | 1.50 | 129 | | 89 | 81.49-118.5 | | |
| Nickel | 146 | | mg/kg wet | 1.00 | 160 | | 91 | 82.22-117.77 | | |
| Copper | 34.7 | | mg/kg wet | 1.00 | 34.9 | | 99 | 80.9-119.24 | | |
| Cadmium | 70.4 | | mg/kg wet | 0.500 | 77.3 | | 91 | 81.57-117.76 | | |
| Arsenic | 68.7 | | mg/kg wet | 1.50 | 76.8 | | 89 | 80.79-119.86 | | |
| <u>Reference (1424725-SRM2)</u> | | | | | | | | <u>Prepared: 21-Oct-14 Analyzed: 23-Oct-14</u> | | |
| Sodium | 369 | | mg/kg wet | 25.0 | 377 | | 98 | 71.71-128.28 | | |
| Manganese | 261 | | mg/kg wet | 1.00 | 284 | | 92 | 81.34-118.47 | | |
| Nickel | 140 | | mg/kg wet | 1.00 | 159 | | 88 | 82.22-117.77 | | |
| Copper | 32.8 | | mg/kg wet | 1.00 | 34.6 | | 95 | 80.9-119.24 | | |
| Lead | 112 | | mg/kg wet | 1.50 | 128 | | 87 | 81.49-118.5 | | |
| Zinc | 141 | | mg/kg wet | 1.00 | 154 | | 91 | 80.06-120.26 | | |
| Cadmium | 69.0 | | mg/kg wet | 0.500 | 76.7 | | 90 | 81.57-117.76 | | |
| Arsenic | 66.5 | | mg/kg wet | 1.50 | 76.2 | | 87 | 80.79-119.86 | | |
| Chromium | 56.2 | | mg/kg wet | 1.00 | 59.1 | | 95 | 79.4-120.51 | | |
| Batch 1425320 - SW846 3050B | | | | | | | | | | |
| <u>Blank (1425320-BLK1)</u> | | | | | | | | <u>Prepared: 21-Oct-14 Analyzed: 27-Oct-14</u> | | |
| Iron | < 3.84 | | mg/kg wet | 3.84 | | | | | | |
| Barium | < 0.959 | | mg/kg wet | 0.959 | | | | | | |
| <u>Duplicate (1425320-DUP1)</u> | | | | | | | | <u>Prepared: 21-Oct-14 Analyzed: 27-Oct-14</u> | | |
| Iron | 8960 | | mg/kg dry | 5.28 | | 9670 | | | 8 | 20 |
| Barium | 27.5 | | mg/kg dry | 1.32 | | 32.4 | | | 16 | 20 |
| <u>Matrix Spike (1425320-MS1)</u> | | | | | | | | <u>Prepared: 21-Oct-14 Analyzed: 27-Oct-14</u> | | |
| Iron | 9590 | QM2 | mg/kg dry | 5.42 | 169 | 9670 | -45 | 75-125 | | |
| Barium | 211 | | mg/kg dry | 1.36 | 169 | 32.4 | 105 | 75-125 | | |
| <u>Matrix Spike Dup (1425320-MSD1)</u> | | | | | | | | <u>Prepared: 21-Oct-14 Analyzed: 27-Oct-14</u> | | |
| Iron | 8540 | QM2 | mg/kg dry | 5.30 | 166 | 9670 | -685 | 75-125 | 12 | 20 |
| Barium | 211 | | mg/kg dry | 1.32 | 166 | 32.4 | 108 | 75-125 | 0.2 | 20 |
| <u>Reference (1425320-SRM1)</u> | | | | | | | | <u>Prepared: 21-Oct-14 Analyzed: 27-Oct-14</u> | | |
| Iron | 6260 | | mg/kg wet | 4.00 | 6260 | | 100 | 40.24-160.16 | | |
| Barium | 136 | | mg/kg wet | 1.00 | 133 | | 102 | 82.82-117.17 | | |
| <u>Reference (1425320-SRM2)</u> | | | | | | | | <u>Prepared: 21-Oct-14 Analyzed: 27-Oct-14</u> | | |
| Iron | 6160 | | mg/kg wet | 4.00 | 6210 | | 99 | 40.24-160.16 | | |
| Barium | 132 | | mg/kg wet | 1.00 | 132 | | 100 | 82.82-117.17 | | |

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General Chemistry Parameters - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|-------------|---------------------------|------|--|-----|-----------|
| Batch 1424283 - General Preparation | | | | | | | | | | |
| <u>Duplicate (1424283-DUP1)</u> | | | | | | <u>Source: SB98028-10</u> | | <u>Prepared: 15-Oct-14 Analyzed: 16-Oct-14</u> | | |
| % Solids | 64.6 | | % | | | 63.3 | | | 2 | 5 |
| <u>Duplicate (1424283-DUP2)</u> | | | | | | <u>Source: SB98028-16</u> | | <u>Prepared: 15-Oct-14 Analyzed: 16-Oct-14</u> | | |
| % Solids | 69.2 | | % | | | 70.3 | | | 2 | 5 |
| Batch 1424886 - General Preparation | | | | | | | | | | |
| <u>Blank (1424886-BLK1)</u> | | | | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | |
| Total Organic Carbon | < 100 | | mg/kg | 100 | | | | | | |
| <u>LCS (1424886-BS1)</u> | | | | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | |
| Total Organic Carbon | 969 | | mg/kg | 100 | 1000 | | 97 | 75-125 | | |
| <u>Calibration Blank (1424886-CCB1)</u> | | | | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | |
| Total Organic Carbon | 31.5 | | mg/kg | | | | | | | |
| <u>Calibration Blank (1424886-CCB2)</u> | | | | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | |
| Total Organic Carbon | 18.1 | | mg/kg | | | | | | | |
| <u>Calibration Blank (1424886-CCB3)</u> | | | | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | |
| Total Organic Carbon | 14.0 | | mg/kg | | | | | | | |
| <u>Calibration Check (1424886-CCV1)</u> | | | | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | |
| Total Organic Carbon | 1020 | | mg/kg | 100 | 1000 | | 102 | 85-115 | | |
| <u>Calibration Check (1424886-CCV2)</u> | | | | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | |
| Total Organic Carbon | 1130 | | mg/kg | 100 | 1000 | | 113 | 85-115 | | |
| <u>Calibration Check (1424886-CCV3)</u> | | | | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | |
| Total Organic Carbon | 988 | | mg/kg | 100 | 1000 | | 99 | 85-115 | | |
| <u>Duplicate (1424886-DUP1)</u> | | | | | | <u>Source: SB98028-16</u> | | <u>Prepared & Analyzed: 21-Oct-14</u> | | |
| Total Organic Carbon | 1110 | | mg/kg | 100 | | 1120 | | | 0.4 | 20 |
| <u>Reference (1424886-SRM1)</u> | | | | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | |
| Total Organic Carbon | 3380 | | mg/kg | 100 | 3470 | | 97 | 49-151 | | |

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Toxicity Characteristics - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|------------|------|-------------|---------------------------|------|--|-----|-----------|
| Batch 1424693 - General Preparation | | | | | | | | | | |
| <u>Duplicate (1424693-DUP1)</u> | | | | | | <u>Source: SB98028-25</u> | | <u>Prepared: 20-Oct-14 Analyzed: 21-Oct-14</u> | | |
| Fractional % Sieve #4 (>4750µm) | 1.16 | | % Retained | | | 1.19 | | | 2 | 35 |
| Fractional % Sieve #10 (4750-2000µm) | 0.801 | QR5 | % Retained | | | 1.27 | | | 45 | 35 |
| Fractional % Sieve #20 (2000-850µm) | 1.67 | | % Retained | | | 1.98 | | | 17 | 35 |
| Fractional % Sieve #40 (850-425µm) | 20.2 | | % Retained | | | 20.7 | | | 2 | 35 |
| Fractional % Sieve #80 (425-250µm) | 55.5 | | % Retained | | | 53.8 | | | 3 | 35 |
| Fractional % Sieve #100 (250-150µm) | 11.9 | | % Retained | | | 15.9 | | | 28 | 35 |
| Fractional % Sieve #200 (150-75µm) | 8.01 | QR5 | % Retained | | | 4.59 | | | 54 | 35 |
| Fractional % Sieve #230 (less than 75µm) | 0.655 | | % Retained | | | 0.554 | | | 17 | 35 |

The following list indicates the date and time low-level VOC soil/sediment samples were placed in the freezer:

| | | |
|------------|----------------------|--------------------|
| SB98028-02 | <i>BB-DS-SEDV-01</i> | 10/14/2014 5:21 PM |
| SB98028-05 | <i>BB-DS-SEDV-02</i> | 10/14/2014 5:21 PM |
| SB98028-08 | <i>BB-DS-SEDV-03</i> | 10/14/2014 5:21 PM |
| SB98028-11 | <i>BB-DS-SEDV-04</i> | 10/14/2014 5:21 PM |
| SB98028-14 | <i>BB-DS-SEDV-05</i> | 10/14/2014 5:21 PM |
| SB98028-17 | <i>BB-DS-SEDV-06</i> | 10/14/2014 5:21 PM |
| SB98028-20 | <i>BB-DS-SEDV-07</i> | 10/14/2014 5:21 PM |
| SB98028-23 | <i>BB-DS-SEDV-08</i> | 10/14/2014 5:21 PM |
| SB98028-25 | <i>DUP-1-Soil</i> | 10/14/2014 5:21 PM |
| SB98028-26 | <i>DUP-2-Soil</i> | 10/14/2014 5:21 PM |

Notes and Definitions

| | |
|-------|--|
| D | Data reported from a dilution |
| QCR | Sample data reported for QC purposes only. |
| QM2 | The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample. |
| QM7 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| QM8 | The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery. |
| QM9 | The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits. |
| QR2 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
| QR5 | RPD out of acceptance range. |
| SOL | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from sb98028-10 were used to calculate the results on a dry weight basis. |
| SOLa | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from sb98028-13 were used to calculate the results on a dry weight basis. |
| SOLb | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from sb98028-16 were used to calculate the results on a dry weight basis. |
| SOLc | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from sb98028-19 were used to calculate the results on a dry weight basis. |
| SOLd | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from sb98028-22 were used to calculate the results on a dry weight basis. |
| SOLE | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -01 were used to calculate the results on a dry weight basis. |
| SOLf | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -04 were used to calculate the results on a dry weight basis. |
| SOLg | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -07 were used to calculate the results on a dry weight basis. |
| TOC 1 | This sample was analyzed in quadruplicate. The % RSD is 11.48227%. |
| dry | Sample results reported on a dry weight basis |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| J | Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). |

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Nicole Leja



CHAIN OF CUSTODY RECORD

Page 1 of 4

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St.
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: John P. Derek Pelletier

Invoice To: Envirite
Kris Sabinga
PO Box 541
Chappagua NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: 08-1421843
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7, 9, 2, _____, _____, _____, _____, _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

| G= Grab | | | | C=Compsite | | | | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr | Cu, Fe, Mn, Ni, Pb, Zn | TOC | Grain Size | Total Solids | Check if chlorinated |
|---------|---------------|----------|-------|------------|----|---|---|------|--------|----------------|------------------|------------------|--------------|-----------|-----------|----------------|------------------------|-----|------------|--------------|----------------------|
| Lab ID: | Sample ID: | Date: | Time: | | | | | | | | | | | | | | | | | | |
| 9802801 | BB-DS-SED-01 | 10/14/14 | 940 | G | SO | | 3 | | | | | | | | | X | X | X | X | X | X |
| 02 | BB-DS-SEDV-01 | ↑ | 940 | ↑ | SO | 3 | | | | | | | | X | | | | | | | |
| 03 | BB-DS-SWV-01 | ↑ | 940 | ↑ | SW | 3 | | | | | | | | | X | | | | | | |
| 04 | BB-DS-SED-02 | ↑ | 955 | ↑ | SO | 3 | | | | | | | | | | X | X | X | X | X | X |
| 05 | BB-DS-SEDV-02 | Ⓢ | 955 | Ⓢ | SO | 3 | | | | | | | | X | | | | | | | |
| 06 | BB-DS-SWV-02 | ↑ | 955 | ↑ | SW | 3 | | | | | | | | | X | | | | | | |
| 07 | BB-DS-SED-03 | ↑ | 1015 | ↑ | SO | 3 | | | | | | | | | | X | X | X | X | X | X |
| 08 | BB-DS-SEDV-03 | ↑ | 1015 | ↑ | SO | 3 | | | | | | | | X | | | | | | | |
| 09 | BB-DS-SWV-03 | ↑ | 1015 | ↑ | SW | 3 | | | | | | | | | X | | | | | | |
| 10 | BB-DS-SED-04 | 10/14/14 | 1135 | G | SO | | 3 | | | | | | | | | X | X | X | X | X | X |

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

☒ E-mail to:

adaniel@environcorp.com

Condition upon receipt:

Custody Seals:

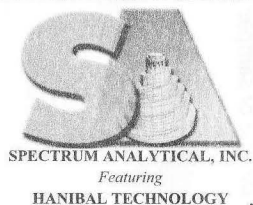
☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced

☐ Refrigerated

☐ DI VOA Frozen

☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 2 of 34

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sibinga
PO Box 591
Chappqua NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: 08-14218 G3
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/9 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

| G= Grab | | C=Composite | | Type | Matrix | Containers | | | | Analysis | | | | | | | | Check if chlorinated |
|-----------------|----------------------|-----------------|-------------|----------|-----------|----------------|------------------|------------------|--------------|-----------|-----------|--------------------|----------------|----------|----------|------------|--------------|--------------------------|
| Lab ID: | Sample ID: | Date: | Time: | | | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr, Cu | Fe, Mn, Ni, Pb | Zn | TOC | Grain Size | Total Solids | |
| <u>98028-11</u> | <u>BB-DS-SEDV-04</u> | <u>10/14/14</u> | <u>1135</u> | <u>G</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | | | | | | | | <input type="checkbox"/> |
| <u>12</u> | <u>BB-DS-SWV-04</u> | <u>↑</u> | <u>1135</u> | <u>↑</u> | <u>SW</u> | <u>3</u> | | | | | <u>X</u> | | | | | | | <input type="checkbox"/> |
| <u>13</u> | <u>BB-DS-SED-05</u> | <u>↑</u> | <u>1200</u> | <u>↑</u> | <u>SO</u> | | <u>3</u> | | | | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <input type="checkbox"/> |
| <u>14</u> | <u>BB-DS-SEDV-05</u> | <u>↑</u> | <u>1200</u> | <u>↑</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | | | | | | | | <input type="checkbox"/> |
| <u>15</u> | <u>BB-DS-SWV-05</u> | <u>Ⓢ</u> | <u>1200</u> | <u>Ⓢ</u> | <u>SW</u> | <u>3</u> | | | | | <u>X</u> | | | | | | | <input type="checkbox"/> |
| <u>16</u> | <u>BB-DS-SED-06</u> | <u>↑</u> | <u>1230</u> | <u>↑</u> | <u>SO</u> | | <u>6</u> | | | | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <input type="checkbox"/> |
| <u>17</u> | <u>BB-DS-SEDV-06</u> | <u>↑</u> | <u>1230</u> | <u>↑</u> | <u>SO</u> | <u>6</u> | | | | <u>X</u> | | | | | | | | <input type="checkbox"/> |
| <u>18</u> | <u>BB-DS-SWV-06</u> | <u>↑</u> | <u>1230</u> | <u>↑</u> | <u>SW</u> | <u>6</u> | | | | | <u>X</u> | | | | | | | <input type="checkbox"/> |
| <u>19</u> | <u>BB-DS-SED-07</u> | <u>↓</u> | <u>1250</u> | <u>↓</u> | <u>SO</u> | | <u>3</u> | | | | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <input type="checkbox"/> |
| <u>20</u> | <u>BB-DS-SEDV-07</u> | <u>10/14/14</u> | <u>1250</u> | <u>G</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | | | | | | | | <input type="checkbox"/> |

Run MS/MSD
Run MS/MSD
Run MR/MSD per
client request.
Em 10/15

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

E-mail to:

adaniel@environcorp.com

Condition upon receipt:

Custody Seals:

☐ Present

☐ Intact

☐ Broken

☐ Ambient

☐ Iced

☐ Refrigerated

☐ DI VOA Frozen

☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 3 of 34

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St.
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sibinga
PO Box 591
Chappagua, NY 10514
P.O. No.: _____ Quote/RQN: _____

Project No: 08-14218 G3
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7, 9, 2

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= Trip Blank

X2= _____ X3= _____

G= Grab

C=Composite

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOC | # of AP | # of Cl | # of Pl | VOCs | VOCs | As, B | Fe, M | Zn | TO | Gr | Total | Check | Other: <input type="checkbox"/> Tier II <input type="checkbox"/> Tier IV <input type="checkbox"/> State-specific reporting standards: | |
|----------|---------------------|----------|-------|------|---------------|----------|---------|---------|---------|------|--------------|-------|-------|----|----|----|-------|-------|--|--|
| 98028-21 | BB-DS-SWV-07 | 10/14/14 | 1250 | G | SW | 3 | | | | | X | | | | | | | | <input type="checkbox"/> | |
| 22 | BB-DS-SED-08 | ↑ | 1310 | ↑ | SO | | 3 | | | | | X | X | X | X | X | X | | <input type="checkbox"/> | |
| 23 | BB-DS-SEDV-08 | ↑ | 1310 | ↑ | SO | 3 | | | | X | | | | | | | | | <input type="checkbox"/> | |
| 24 | BB-DS-SWV-08 | Ⓢ | 1310 | ↑ | SW | 3 | | | | | X | | | | | | | | <input type="checkbox"/> | |
| 25 | DUP-1 - Soil | ↓ | — | ↓ | SO | 3 | 3 | | | X | X | X | X | X | X | X | X | | <input type="checkbox"/> | Separated the Soil from the SW samples. client notified. EM 10/15 |
| 26 | DUP-2 - Soil | ↓ | — | ↓ | SO | 3 | 3 | | | X | X | X | X | X | X | X | X | | <input type="checkbox"/> | |
| | MS/MSD-1 | ↓ | — | ↓ | SO | 6 | 3 | | | X | X | X | X | X | X | X | X | | <input type="checkbox"/> | |
| 27 | TB-1 - Soil | 10/14/14 | 800 | G | XI | 3 | 2 | | | X | X | | | | | | | | <input type="checkbox"/> | EM 10/15 |
| | | 10/14/14 | | | | | | | | | | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | | | | | | | | | | | | <input type="checkbox"/> | |

Separated the Soil from the SW samples. client notified. EM 10/15

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

☒ E-mail to:

adanajel@environcorp.com

Condition upon receipt:

Custody Seals:

☐ Present

☐ Intact

☐ Broken

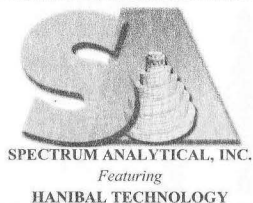
☐ Ambient

☒ Iced

☐ Refrigerated

☐ DI VOA Frozen

☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 1 of 4

SB 98028

EM

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St.
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: John P. Derek Pelletier

Invoice To: Envirite
Kris Sabinga
PO Box 591
Chappagua NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: 08-1421843
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7, 9, 2

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

| G= Grab | | | | C=Compsite | | | | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr | Cu, Fe, Mn, Ni | Na, Ni, Pb, Zn | TOC | Grain Size | Total Solids | Check if chlorinated |
|----------|---------------|----------|-------|------------|----|---|---|------|--------|----------------|------------------|------------------|--------------|-----------|-----------|----------------|----------------|----------------|-----|------------|--------------|--------------------------|
| Lab ID: | Sample ID: | Date: | Time: | | | | | | | | | | | | | | | | | | | |
| 98028-01 | BB-DS-SED-01 | 10/14/14 | 940 | G | SO | | 3 | | | | | | | | | X | X | X | X | X | X | <input type="checkbox"/> |
| 02 | BB-DS-SEDV-01 | ↑ | 940 | ↑ | SO | 3 | | | | | | | | X | | | | | | | | <input type="checkbox"/> |
| 03 | BB-DS-SWV-01 | | 940 | | SW | 3 | | | | | | | | | X | | | | | | | <input type="checkbox"/> |
| 04 | BB-DS-SED-02 | | 955 | | SO | 3 | | | | | | | | | | X | X | X | X | X | X | <input type="checkbox"/> |
| 05 | BB-DS-SEDV-02 | Ⓚ | 955 | Ⓚ | SO | 3 | | | | | | | | X | | | | | | | | <input type="checkbox"/> |
| 06 | BB-DS-SWV-02 | | 955 | | SW | 3 | | | | | | | | | X | | | | | | | <input type="checkbox"/> |
| 07 | BB-DS-SED-03 | | 1015 | | SO | 3 | | | | | | | | | | X | X | X | X | X | X | <input type="checkbox"/> |
| 08 | BB-DS-SEDV-03 | | 1015 | | SO | 3 | | | | | | | | X | | | | | | | | <input type="checkbox"/> |
| 09 | BB-DS-SWV-03 | ↓ | 1015 | ↓ | SW | 3 | | | | | | | | | X | | | | | | | <input type="checkbox"/> |
| 10 | BB-DS-SED-04 | 10/14/14 | 1135 | G | SO | 3 | | | | | | | | | | X | X | X | X | X | X | <input type="checkbox"/> |

Relinquished by:

Received by:

Date:

Time:

Temp °C

John P. Pelletier
M. Pelletier

M. Pelletier
mpry

10/14/14
10-14-14

1455
1721

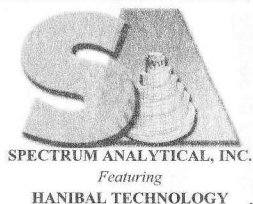
Observed 08
Correction Factor 0
Corrected 08
IR ID # 02

☐ EDD format:

☒ E-mail to: adaniel@environcorp.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 2 of 34

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sibinga
P.O. Box 591
Chapqua NY 10514
P.O. No.: _____ Quote/RQN: _____

Project No: 08-14218 G3
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/g 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

| G= Grab | | C=Composite | | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Pb, Zn | TOC | Grain Size | Total Solids | Check if chlorinated |
|-----------------|----------------------|-----------------|-------------|----------|-----------|----------------|------------------|------------------|--------------|-----------|-----------|--|----------|------------|--------------|--------------------------|
| Lab ID: | Sample ID: | Date: | Time: | | | | | | | | | | | | | |
| <u>98028-11</u> | <u>BB-DS-SEDV-04</u> | <u>10/14/14</u> | <u>1135</u> | <u>G</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | | | | | | <input type="checkbox"/> |
| <u>12</u> | <u>BB-DS-SWV-04</u> | <u>↑</u> | <u>1135</u> | <u>↑</u> | <u>SW</u> | <u>3</u> | | | | | <u>X</u> | | | | | <input type="checkbox"/> |
| <u>13</u> | <u>BB-DS-SED-05</u> | <u>↑</u> | <u>1200</u> | <u>↑</u> | <u>SO</u> | <u>3</u> | | | | | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <input type="checkbox"/> |
| <u>14</u> | <u>BB-DS-SEDV-05</u> | <u>↑</u> | <u>1200</u> | <u>↑</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | | | | | | <input type="checkbox"/> |
| <u>15</u> | <u>BB-DS-SWV-05</u> | <u>⊙</u> | <u>1200</u> | <u>⊙</u> | <u>SW</u> | <u>3</u> | | | | | <u>X</u> | | | | | <input type="checkbox"/> |
| <u>16</u> | <u>BB-DS-SED-06</u> | <u>↓</u> | <u>1230</u> | <u>↓</u> | <u>SO</u> | <u>6</u> | | | | | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <input type="checkbox"/> |
| <u>17</u> | <u>BB-DS-SEDV-06</u> | <u>↓</u> | <u>1230</u> | <u>↓</u> | <u>SO</u> | <u>6</u> | | | | <u>X</u> | | | | | | <input type="checkbox"/> |
| <u>18</u> | <u>BB-DS-SWV-06</u> | <u>↓</u> | <u>1230</u> | <u>↓</u> | <u>SW</u> | <u>6</u> | | | | | <u>X</u> | | | | | <input type="checkbox"/> |
| <u>19</u> | <u>BB-DS-SED-07</u> | <u>↓</u> | <u>1250</u> | <u>↓</u> | <u>SO</u> | <u>3</u> | | | | | | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <input type="checkbox"/> |
| <u>20</u> | <u>BB-DS-SEDV-07</u> | <u>10/14/14</u> | <u>1250</u> | <u>G</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | | | | | | <input type="checkbox"/> |

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☒ Yes ☐ No

☐ Standard ☐ No QC

☒ DQA*

☐ ASP A*

☐ ASP B*

☐ NJ Reduced*

☐ NJ Full*

☒ Tier II*

☐ Tier IV*

☐ Other: _____
State-specific reporting standards:

QA/QC requirements
added per client
request on
10/16

Run MS/MSD
Run MS/MSD
Run MS/MSD per
client request.
Em 10/15

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

E-mail to:

adaniel@environcorp.com

Observed

Correction Factor

Corrected

IR ID #

Condition upon receipt:

Custody Seals:

☐ Present

☐ Intact

☐ Broken

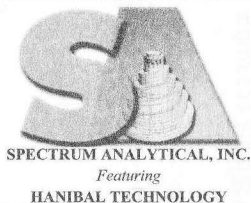
☐ Ambient

☒ Iced

☐ Refrigerated

☐ DI VOA Frozen

☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 3 of 34

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
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Report To: ENVIRON
136 Commercial St.
Suite 402
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Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sibinga
PO Box 591
Chappagua, NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: 08-14218 G3
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7, 9, 2

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= Trip Blank X2= _____ X3= _____

G= Grab

C=Compsite

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr, Cu | Fe, Mn, Ni, Pb | Zn | TOC | Grain Size | Total Solid |
|----------|---------------|----------|-------|------|--------|----------------|------------------|------------------|--------------|-----------|-----------|--------------------|----------------|----|-----|------------|-------------|
| 98028-21 | BB-DS-SWV-07 | 10/14/14 | 1250 | G | SW | 3 | | | | | X | | | | | | |
| 22 | BB-DS-SED-08 | 11 | 1310 | A | SO | | 3 | | | | | X | X | X | X | X | X |
| 23 | BB-DS-SEDV-08 | | 1310 | | SO | 3 | | | | X | | | | | | | |
| 24 | BB-DS-SWV-08 | 1310 | | | SW | 3 | | | | | X | | | | | | |
| 25 | DUP-1-Soil | | | | SO | 3 | | | | X | X | X | X | X | X | X | X |
| 26 | DUP-2-Soil | | | | SO | 3 | | | | X | X | X | X | X | X | X | X |
| | MS/MSD-1 | | | | SO | 6 | | | | X | X | X | X | X | X | X | X |
| 27 | TB-1-Soil | 10/14/14 | 800 | G | XI | 3 | | | | X | X | | | | | | |
| | | 10/14/14 | | | | | | | | | | | | | | | |

Check if chlorinated

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☒ Yes ☐ No

☐ Standard ☐ No QC

☒ DQA*

☐ ASP A* ☐ ASP B*

☐ NJ Reduced* ☐ NJ Full*

☒ Tier II* ☐ Tier IV*

☐ Other: _____
State-specific reporting standards:

QA/QC requirements
per client request
on 10/16
Separated the Soil from
the SW samples. client
notified.
EM 10/15
EM 10/15

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

☒ E-mail to: adaniet@environcorp.com

Observed

Correction Factor

Corrected

IR ID #

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Report Date:
28-Oct-14 17:29



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

ENVIRON International Corporation
136 W Commercial St, Suite 402
Portland, ME 04101
Attn: Derek Pelletier

Project: Envirite - Thomaston, CT
Project #: 08-14218G3

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

| <u>Laboratory ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>Date Received</u> |
|-----------------------------|--------------------------------|----------------------|----------------------------|-----------------------------|
| SB98147-01 | NR-DS-SED-01 | Soil | 14-Oct-14 15:40 | 15-Oct-14 18:20 |
| SB98147-02 | NR-DS-SEDV-01 | Soil | 14-Oct-14 15:40 | 15-Oct-14 18:20 |
| SB98147-03 | NR-DS-SWV-01 | Surface Water | 14-Oct-14 15:40 | 15-Oct-14 18:20 |
| SB98147-04 | NR-DS-SED-02 | Soil | 14-Oct-14 16:00 | 15-Oct-14 18:20 |
| SB98147-05 | NR-DS-SEDV-02 | Soil | 14-Oct-14 16:00 | 15-Oct-14 18:20 |
| SB98147-06 | NR-DS-SWV-02 | Surface Water | 14-Oct-14 16:00 | 15-Oct-14 18:20 |
| SB98147-07 | NR-DS-SED-03 | Soil | 14-Oct-14 16:15 | 15-Oct-14 18:20 |
| SB98147-08 | NR-DS-SEDV-03 | Soil | 14-Oct-14 16:15 | 15-Oct-14 18:20 |
| SB98147-09 | NR-DS-SWV-03 | Surface Water | 14-Oct-14 16:15 | 15-Oct-14 18:20 |
| SB98147-10 | NR-DS-SED-04 | Soil | 14-Oct-14 16:35 | 15-Oct-14 18:20 |
| SB98147-11 | NR-DS-SEDV-04 | Soil | 14-Oct-14 16:35 | 15-Oct-14 18:20 |
| SB98147-12 | NR-DS-SWV-04 | Surface Water | 14-Oct-14 16:35 | 15-Oct-14 18:20 |
| SB98147-13 | NR-DS-SED-05 | Soil | 14-Oct-14 17:00 | 15-Oct-14 18:20 |
| SB98147-14 | NR-DS-SEDV-05 | Soil | 14-Oct-14 17:00 | 15-Oct-14 18:20 |
| SB98147-15 | NR-DS-SWV-05 | Surface Water | 14-Oct-14 17:00 | 15-Oct-14 18:20 |
| SB98147-16 | DUP-4-Soil | Soil | 14-Oct-14 00:00 | 15-Oct-14 18:20 |
| SB98147-17 | DUP-5-Soil | Soil | 14-Oct-14 00:00 | 15-Oct-14 18:20 |
| SB98147-18 | DUP-4-Water | Surface Water | 14-Oct-14 00:00 | 15-Oct-14 18:20 |
| SB98147-19 | DUP-5-Water | Surface Water | 14-Oct-14 00:00 | 15-Oct-14 18:20 |
| SB98147-20 | TB-2-Water | Trip Blank | 15-Oct-14 07:00 | 15-Oct-14 18:20 |
| SB98147-21 | TB-3-Water | Trip Blank | 15-Oct-14 07:00 | 15-Oct-14 18:20 |
| SB98147-22 | BB-US-SED-01 | Soil | 15-Oct-14 08:00 | 15-Oct-14 18:20 |
| SB98147-23 | BB-US-SEDV-01 | Soil | 15-Oct-14 08:00 | 15-Oct-14 18:20 |
| SB98147-24 | BB-US-SWV-01 | Surface Water | 15-Oct-14 08:00 | 15-Oct-14 18:20 |
| SB98147-25 | BB-US-SED-02 | Soil | 15-Oct-14 08:10 | 15-Oct-14 18:20 |
| SB98147-26 | BB-US-SEDV-02 | Soil | 15-Oct-14 08:10 | 15-Oct-14 18:20 |
| SB98147-27 | BB-US-SWV-02 | Surface Water | 15-Oct-14 08:10 | 15-Oct-14 18:20 |
| SB98147-28 | BB-US-SED-03 | Soil | 15-Oct-14 08:25 | 15-Oct-14 18:20 |
| SB98147-29 | BB-US-SEDV-03 | Soil | 15-Oct-14 08:25 | 15-Oct-14 18:20 |
| SB98147-30 | BB-US-SWV-03 | Surface Water | 15-Oct-14 08:25 | 15-Oct-14 18:20 |
| SB98147-31 | BB-US-SED-04 | Soil | 15-Oct-14 08:40 | 15-Oct-14 18:20 |
| SB98147-32 | BB-US-SEDV-04 | Soil | 15-Oct-14 08:40 | 15-Oct-14 18:20 |
| SB98147-33 | BB-US-SWV-04 | Surface Water | 15-Oct-14 08:40 | 15-Oct-14 18:20 |
| SB98147-34 | BB-US-SED-05 | Soil | 15-Oct-14 08:50 | 15-Oct-14 18:20 |
| SB98147-35 | BB-US-SEDV-05 | Soil | 15-Oct-14 08:50 | 15-Oct-14 18:20 |
| SB98147-36 | BB-US-SWV-05 | Surface Water | 15-Oct-14 08:50 | 15-Oct-14 18:20 |
| SB98147-37 | BB-US-SED-06 | Soil | 15-Oct-14 09:05 | 15-Oct-14 18:20 |

| | | | | |
|------------|---------------|---------------|-----------------|-----------------|
| SB98147-38 | BB-US-SEDV-06 | Soil | 15-Oct-14 09:05 | 15-Oct-14 18:20 |
| SB98147-39 | BB-US-SWV-06 | Surface Water | 15-Oct-14 09:05 | 15-Oct-14 18:20 |
| SB98147-40 | BB-US-SED-07 | Soil | 15-Oct-14 09:20 | 15-Oct-14 18:20 |
| SB98147-41 | BB-US-SEDV-07 | Soil | 15-Oct-14 09:20 | 15-Oct-14 18:20 |
| SB98147-42 | BB-US-SWV-07 | Surface Water | 15-Oct-14 09:20 | 15-Oct-14 18:20 |
| SB98147-43 | BB-US-SED-08 | Soil | 15-Oct-14 09:30 | 15-Oct-14 18:20 |
| SB98147-44 | BB-US-SEDV-08 | Soil | 15-Oct-14 09:30 | 15-Oct-14 18:20 |
| SB98147-45 | BB-US-SWV-08 | Surface Water | 15-Oct-14 09:30 | 15-Oct-14 18:20 |
| SB98147-46 | NR-DS-SED-06 | Soil | 15-Oct-14 10:25 | 15-Oct-14 18:20 |
| SB98147-47 | NR-DS-SEDV-06 | Soil | 15-Oct-14 10:25 | 15-Oct-14 18:20 |
| SB98147-48 | NR-DS-SWV-06 | Surface Water | 15-Oct-14 10:25 | 15-Oct-14 18:20 |
| SB98147-49 | NR-DS-SED-07 | Soil | 15-Oct-14 10:35 | 15-Oct-14 18:20 |
| SB98147-50 | NR-DS-SEDV-07 | Soil | 15-Oct-14 10:35 | 15-Oct-14 18:20 |
| SB98147-51 | NR-DS-SWV-07 | Surface Water | 15-Oct-14 10:35 | 15-Oct-14 18:20 |
| SB98147-52 | NR-DS-SED-08 | Soil | 15-Oct-14 10:45 | 15-Oct-14 18:20 |
| SB98147-53 | NR-DS-SEDV-08 | Soil | 15-Oct-14 10:45 | 15-Oct-14 18:20 |
| SB98147-54 | NR-DS-SWV-08 | Surface Water | 15-Oct-14 10:45 | 15-Oct-14 18:20 |
| SB98147-55 | NR-US-SED-01 | Soil | 15-Oct-14 11:25 | 15-Oct-14 18:20 |
| SB98147-56 | NR-US-SEDV-01 | Soil | 15-Oct-14 11:25 | 15-Oct-14 18:20 |
| SB98147-57 | NR-US-SWV-01 | Surface Water | 15-Oct-14 11:25 | 15-Oct-14 18:20 |
| SB98147-58 | NR-US-SED-02 | Soil | 15-Oct-14 11:35 | 15-Oct-14 18:20 |
| SB98147-59 | NR-US-SEDV-02 | Soil | 15-Oct-14 11:35 | 15-Oct-14 18:20 |
| SB98147-60 | NR-US-SWV-02 | Surface Water | 15-Oct-14 11:35 | 15-Oct-14 18:20 |
| SB98147-61 | NR-US-SED-03 | Soil | 15-Oct-14 11:50 | 15-Oct-14 18:20 |
| SB98147-62 | NR-US-SEDV-03 | Soil | 15-Oct-14 11:50 | 15-Oct-14 18:20 |
| SB98147-63 | NR-US-SWV-03 | Surface Water | 15-Oct-14 11:50 | 15-Oct-14 18:20 |
| SB98147-64 | NR-US-SED-04 | Soil | 15-Oct-14 12:50 | 15-Oct-14 18:20 |
| SB98147-65 | NR-US-SEDV-04 | Soil | 15-Oct-14 12:50 | 15-Oct-14 18:20 |
| SB98147-66 | NR-US-SWV-04 | Surface Water | 15-Oct-14 12:50 | 15-Oct-14 18:20 |
| SB98147-67 | NR-US-SED-05 | Soil | 15-Oct-14 13:05 | 15-Oct-14 18:20 |
| SB98147-68 | NR-US-SEDV-05 | Soil | 15-Oct-14 13:05 | 15-Oct-14 18:20 |
| SB98147-69 | NR-US-SWV-05 | Surface Water | 15-Oct-14 13:05 | 15-Oct-14 18:20 |
| SB98147-70 | NR-US-SED-06 | Soil | 15-Oct-14 13:15 | 15-Oct-14 18:20 |
| SB98147-71 | NR-US-SEDV-06 | Soil | 15-Oct-14 13:15 | 15-Oct-14 18:20 |
| SB98147-72 | NR-US-SWV-06 | Surface Water | 15-Oct-14 13:15 | 15-Oct-14 18:20 |
| SB98147-73 | NR-US-SED-07 | Soil | 15-Oct-14 13:30 | 15-Oct-14 18:20 |
| SB98147-74 | NR-US-SEDV-07 | Soil | 15-Oct-14 13:30 | 15-Oct-14 18:20 |
| SB98147-75 | NR-US-SWV-07 | Surface Water | 15-Oct-14 13:30 | 15-Oct-14 18:20 |
| SB98147-76 | NR-US-SED-08 | Soil | 15-Oct-14 13:40 | 15-Oct-14 18:20 |
| SB98147-77 | NR-US-SEDV-08 | Soil | 15-Oct-14 13:40 | 15-Oct-14 18:20 |
| SB98147-78 | NR-US-SWV-08 | Surface Water | 14-Oct-14 13:40 | 15-Oct-14 18:20 |
| SB98147-79 | TB-2-Soil | Trip Blank | 15-Oct-14 07:00 | 15-Oct-14 18:20 |
| SB98147-80 | TB-3-Soil | Trip Blank | 15-Oct-14 07:00 | 15-Oct-14 18:20 |

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

A handwritten signature in black ink that reads "Nicole Leja". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 266 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our Quality web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, NJ-MA012, PA-68-04426 and FL-E87936).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

**Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form**

Laboratory Name: Spectrum Analytical, Inc.

Client: ENVIRON International Corporation - Portland, ME

Project Location: Envirite - Thomaston, CT

Project Number: 08-14218G3

Sampling Date(s):

10/14/2014 through 10/15/2014

Laboratory Sample ID(s):

SB98147-01 through SB98147-80

RCP Methods Used:

SW846 6010C

SW846 8260C

| | | | |
|-----------|---|------------|------------|
| 1 | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents? | ✓ Yes | No |
| 1A | Were the method specified preservation and holding time requirements met? | ✓ Yes | No |
| 1B | <u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)? | Yes | No |
| 2 | Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)? | ✓ Yes | No |
| 3 | Were samples received at an appropriate temperature? | ✓ Yes | No |
| 4 | Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? | Yes | ✓ No |
| 5 | a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met? | Yes Yes | ✓ No No |
| 6 | For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? | Yes | ✓ No |
| 7 | Are project-specific matrix spikes and laboratory duplicates included in this data set? | ✓ Yes | No |

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.



Nicole Leja
Laboratory Director
Date: 11/18/2014

CASE NARRATIVE:

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

The samples were received 1.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

Low level VOC soil samples submitted in DI water or in an encore sampler were frozen on 10/15/2014 at 18:20.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult.

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

For this work order, the reporting limits have not been referenced or specified.

TOC Estimate Qualifier Clarification Case Narrative:

Please note, specific TOC values within this work order are flagged as estimated. The TOC value is initially measured in ug (microgram) of carbon but converts to ppm in the instrument software program. The initial ug of carbon reading fell within the midrange of the calibration curve of the instrumentation; however, the limited sample weight used elevated the ppm value above the maximum value listed in Element. As a result, the sample value is not over the calibration range of the instrument and was not reanalyzed.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

ASTM D422

Duplicates:

1424931-DUP1 Source: SB98147-22

ASTM D422

Duplicates:

1424931-DUP1 *Source: SB98147-22*

RPD out of acceptance range.

Fractional % Sieve #100 (250-150µm)

Fractional % Sieve #200 (150-75µm)

1425083-DUP1 *Source: SB98147-46*

RPD out of acceptance range.

Fractional % Sieve #100 (250-150µm)

Fractional % Sieve #230 (less than 75µm)

1425210-DUP1 *Source: SB98147-67*

RPD out of acceptance range.

Fractional % Sieve #100 (250-150µm)

Fractional % Sieve #20 (2000-850µm)

Lloyd Kahn

Samples:

SB98147-13 *NR-DS-SED-05*

This sample was analyzed in quadruplicate. The % RSD is 5.71563%.

Total Organic Carbon

SB98147-46 *NR-DS-SED-06*

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Total Organic Carbon

SB98147-55 *NR-US-SED-01*

This sample was analyzed in quadruplicate. The % RSD is 22.61677%.

Total Organic Carbon

SM2540 G Mod.

Samples:

SB98147-02 *NR-DS-SEDV-01*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -01 were used to calculate the results on a dry weight basis.

% Solids

SB98147-05 *NR-DS-SEDV-02*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -04 were used to calculate the results on a dry weight basis.

% Solids

SB98147-08 *NR-DS-SEDV-03*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -07 were used to calculate the results on a dry weight basis.

% Solids

SM2540 G Mod.**Samples:**

SB98147-11 *NR-DS-SEDV-04*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -10 were used to calculate the results on a dry weight basis.

% Solids

SB98147-14 *NR-DS-SEDV-05*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -13 were used to calculate the results on a dry weight basis.

% Solids

SB98147-23 *BB-US-SEDV-01*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -22 were used to calculate the results on a dry weight basis.

% Solids

SB98147-26 *BB-US-SEDV-02*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -25 were used to calculate the results on a dry weight basis.

% Solids

SB98147-29 *BB-US-SEDV-03*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -28 were used to calculate the results on a dry weight basis.

% Solids

SB98147-32 *BB-US-SEDV-04*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -31 were used to calculate the results on a dry weight basis.

% Solids

SB98147-35 *BB-US-SEDV-05*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -34 were used to calculate the results on a dry weight basis.

% Solids

SB98147-38 *BB-US-SEDV-06*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -37 were used to calculate the results on a dry weight basis.

% Solids

SB98147-41 *BB-US-SEDV-07*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -40 were used to calculate the results on a dry weight basis.

% Solids

SB98147-44 *BB-US-SEDV-08*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -43 were used to calculate the results on a dry weight basis.

% Solids

This laboratory report is not valid without an authorized signature on the cover page.

SM2540 G Mod.**Samples:**

SB98147-47 *NR-DS-SEDV-06*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -46 were used to calculate the results on a dry weight basis.

% Solids

SB98147-50 *NR-DS-SEDV-07*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -49 were used to calculate the results on a dry weight basis.

% Solids

SB98147-53 *NR-DS-SEDV-08*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -52 were used to calculate the results on a dry weight basis.

% Solids

SB98147-56 *NR-US-SEDV-01*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -55 were used to calculate the results on a dry weight basis.

% Solids

SB98147-59 *NR-US-SEDV-02*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -58 were used to calculate the results on a dry weight basis.

% Solids

SB98147-62 *NR-US-SEDV-03*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -61 were used to calculate the results on a dry weight basis.

% Solids

SB98147-65 *NR-US-SEDV-04*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -64 were used to calculate the results on a dry weight basis.

% Solids

SB98147-68 *NR-US-SEDV-05*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -67 were used to calculate the results on a dry weight basis.

% Solids

SB98147-71 *NR-US-SEDV-06*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -70 were used to calculate the results on a dry weight basis.

% Solids

SB98147-74 *NR-US-SEDV-07*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -73 were used to calculate the results on a dry weight basis.

% Solids

SM2540 G Mod.

Samples:

SB98147-77 *NR-US-SEDV-08*

This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -76 were used to calculate the results on a dry weight basis.

% Solids

SW846 6010C

Spikes:

1424869-MS1 *Source: SB98147-13*

Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

Manganese

1424869-MSD1 *Source: SB98147-13*

Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

Arsenic
Cadmium
Chromium
Copper
Lead
Manganese
Nickel
Zinc

1424871-MS1 *Source: SB98147-52*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Iron

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Sodium

1424871-MSD1 *Source: SB98147-52*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Iron

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Sodium

1424871-PS1 *Source: SB98147-52*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Iron

1425332-MS1 *Source: SB98147-13*

SW846 6010C

Spikes:

1425332-MS1 *Source: SB98147-13*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Iron

1425332-MSD1 *Source: SB98147-13*

Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

Barium

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Iron

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

Sodium

1425332-PS1 *Source: SB98147-13*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Iron

Duplicates:

1424869-DUP1 *Source: SB98147-13*

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

Cadmium
Chromium
Copper
Lead
Nickel
Zinc

1425332-DUP1 *Source: SB98147-13*

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

Iron
Sodium

S412316-SRD1 *Source: BB-US-SED-07*

The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Manganese (11%)
Nickel (12%)
Zinc (13%)

S412328-SRD1 *Source: NR-DS-SED-01*

The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Iron (11%)

SW846 8260C

Calibration:

SW846 8260C

Calibration:

1409053

Analyte quantified by quadratic equation type calibration.

1,1,2-Trichlorotrifluoroethane (Freon 113)
Bromoform
Dibromochloromethane
Naphthalene
trans-1,3-Dichloropropene

This affected the following samples:

1424514-BLK1
1424514-BS1
1424514-BSD1
1424514-MS1
1424514-MSD1
NR-DS-SEDV-05
S410392-ICV1
S411843-CCV1

1409096

Analyte quantified by quadratic equation type calibration.

1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane
4-Methyl-2-pentanone (MIBK)
Bromoform
Dibromochloromethane
Naphthalene
trans-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene

This affected the following samples:

1424519-BLK1
1424519-BS1
1424519-BSD1
1424519-MS1
1424519-MSD1
NR-DS-SWV-01
NR-DS-SWV-02
NR-DS-SWV-03
NR-DS-SWV-04
NR-DS-SWV-05
S410947-ICV1
S411822-CCV1

1410015

Analyte quantified by quadratic equation type calibration.

Bromoform
trans-1,4-Dichloro-2-butene

SW846 8260C

Calibration:

1410015

This affected the following samples:

1424541-BLK1
1424541-BS1
1424541-BSD1
1424541-MS1
1424541-MSD1
BB-US-SWV-01
BB-US-SWV-02
BB-US-SWV-03
BB-US-SWV-04
BB-US-SWV-05
BB-US-SWV-06
BB-US-SWV-07
BB-US-SWV-08
DUP-4-Water
DUP-5-Water
NR-DS-SWV-06
NR-DS-SWV-07
NR-DS-SWV-08
NR-US-SWV-01
NR-US-SWV-02
S411308-ICV1
S411845-CCV1
TB-2-Water
TB-3-Water

1410024

Analyte quantified by quadratic equation type calibration.

1,2-Dibromo-3-chloropropane
2,2-Dichloropropane
Bromochloromethane
Bromodichloromethane
Bromoform
cis-1,3-Dichloropropene
Dibromochloromethane
Ethanol
Naphthalene
Tetrahydrofuran
trans-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene
Vinyl chloride

This affected the following samples:

1424525-BLK1
1424525-BS1
1424525-BSD1
NR-US-SWV-03
NR-US-SWV-04
NR-US-SWV-05
NR-US-SWV-06
NR-US-SWV-07
NR-US-SWV-08
S411447-ICV1
S411836-CCV1

SW846 8260C

Calibration:

1410045

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,4-Dioxane
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Naphthalene
trans-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene

SW846 8260C

Calibration:

1410045

This affected the following samples:

1424512-BLK1
1424512-BS1
1424512-BSD1
1424671-BLK1
1424671-BS1
1424671-BSD1
1424671-MS1
1424671-MSD1
1424672-BLK1
1424672-BS1
1424672-BSD1
1424777-BLK1
1424777-BS1
1424777-BSD1
BB-US-SEDV-01
BB-US-SEDV-02
BB-US-SEDV-03
BB-US-SEDV-04
BB-US-SEDV-05
BB-US-SEDV-06
BB-US-SEDV-07
BB-US-SEDV-08
DUP-4-Soil
DUP-5-Soil
NR-DS-SEDV-01
NR-DS-SEDV-02
NR-DS-SEDV-03
NR-DS-SEDV-04
NR-DS-SEDV-05
NR-DS-SEDV-06
NR-DS-SEDV-07
NR-DS-SEDV-08
NR-US-SEDV-01
NR-US-SEDV-02
NR-US-SEDV-03
NR-US-SEDV-04
NR-US-SEDV-05
NR-US-SEDV-06
NR-US-SEDV-07
NR-US-SEDV-08
S411778-ICV1
S411832-CCV1
S411887-CCV1
S411888-CCV1
S411939-CCV1
TB-2-Soil
TB-3-Soil

1410058

Analyte quantified by quadratic equation type calibration.

Naphthalene

This affected the following samples:

S412009-ICV1

SW846 8260C

Calibration:

S410392-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

1,2,3-Trichloropropane (121%)
Isopropylbenzene (125%)
trans-1,4-Dichloro-2-butene (123%)

This affected the following samples:

1424514-BLK1
1424514-BS1
1424514-BSD1
1424514-MS1
1424514-MSD1
NR-DS-SEDV-05
S411843-CCV1

S410947-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

Isopropylbenzene (126%)

This affected the following samples:

1424519-BLK1
1424519-BS1
1424519-BSD1
1424519-MS1
1424519-MSD1
NR-DS-SWV-01
NR-DS-SWV-02
NR-DS-SWV-03
NR-DS-SWV-04
NR-DS-SWV-05
S411822-CCV1

S411308-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

Dibromochloromethane (123%)
Isopropylbenzene (124%)

SW846 8260C

Calibration:

S411308-ICV1

This affected the following samples:

1424541-BLK1
1424541-BS1
1424541-BSD1
1424541-MS1
1424541-MSD1
BB-US-SWV-01
BB-US-SWV-02
BB-US-SWV-03
BB-US-SWV-04
BB-US-SWV-05
BB-US-SWV-06
BB-US-SWV-07
BB-US-SWV-08
DUP-4-Water
DUP-5-Water
NR-DS-SWV-06
NR-DS-SWV-07
NR-DS-SWV-08
NR-US-SWV-01
NR-US-SWV-02
S411845-CCV1
TB-2-Water
TB-3-Water

S411447-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

Dichlorodifluoromethane (Freon12) (77%)
Ethyl tert-butyl ether (78%)

This affected the following samples:

1424525-BLK1
1424525-BS1
1424525-BSD1
NR-US-SWV-03
NR-US-SWV-04
NR-US-SWV-05
NR-US-SWV-06
NR-US-SWV-07
NR-US-SWV-08
S411836-CCV1

S411778-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

1,2,3-Trichloropropane (122%)
Dichlorodifluoromethane (Freon12) (69%)
Isopropylbenzene (126%)

SW846 8260C

Calibration:

S411778-ICV1

This affected the following samples:

1424512-BLK1
1424512-BS1
1424512-BSD1
1424671-BLK1
1424671-BS1
1424671-BSD1
1424671-MS1
1424671-MSD1
1424672-BLK1
1424672-BS1
1424672-BSD1
1424777-BLK1
1424777-BS1
1424777-BSD1
BB-US-SEDV-01
BB-US-SEDV-02
BB-US-SEDV-03
BB-US-SEDV-04
BB-US-SEDV-05
BB-US-SEDV-06
BB-US-SEDV-07
BB-US-SEDV-08
DUP-4-Soil
DUP-5-Soil
NR-DS-SEDV-01
NR-DS-SEDV-02
NR-DS-SEDV-03
NR-DS-SEDV-04
NR-DS-SEDV-05
NR-DS-SEDV-06
NR-DS-SEDV-07
NR-DS-SEDV-08
NR-US-SEDV-01
NR-US-SEDV-02
NR-US-SEDV-03
NR-US-SEDV-04
NR-US-SEDV-05
NR-US-SEDV-06
NR-US-SEDV-07
NR-US-SEDV-08
S411832-CCV1
S411887-CCV1
S411888-CCV1
S411939-CCV1
TB-2-Soil
TB-3-Soil

S412009-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

1,1,2-Trichlorotrifluoroethane (Freon 113) (79%)

SW846 8260C

Calibration:

S412009-ICV1

This affected the following samples:

1424921-BLK1
1424921-BS1
1424921-BSD1
1425049-BLK1
1425049-BS1
1425049-BSD1
S412020-CCV1
S412088-CCV1
TB-2-Soil
TB-3-Soil

Laboratory Control Samples:

1424512 BSD

2-Butanone (MEK) RPD 32% (30%) is outside individual acceptance criteria.

1424514 BS/BSD

Hexachlorobutadiene percent recoveries (141/97) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

NR-DS-SEDV-05

1424514 BSD

1,2,3-Trichlorobenzene RPD 42% (30%) is outside individual acceptance criteria.

1,2,4-Trichlorobenzene RPD 44% (30%) is outside individual acceptance criteria.

Hexachlorobutadiene RPD 37% (30%) is outside individual acceptance criteria.

Naphthalene RPD 43% (30%) is outside individual acceptance criteria.

1424519 BS/BSD

2,2-Dichloropropane percent recoveries (64/62) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

NR-DS-SWV-01
NR-DS-SWV-02
NR-DS-SWV-03
NR-DS-SWV-04
NR-DS-SWV-05

Ethanol percent recoveries (138/144) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

NR-DS-SWV-01
NR-DS-SWV-02
NR-DS-SWV-03
NR-DS-SWV-04
NR-DS-SWV-05

1424525 BS/BSD

SW846 8260C

Laboratory Control Samples:

1424525 BS/BSD

Ethanol percent recoveries (111/131) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

NR-US-SWV-03
NR-US-SWV-04
NR-US-SWV-05
NR-US-SWV-06
NR-US-SWV-07
NR-US-SWV-08

1424525 BSD

1,4-Dioxane RPD 27% (20%) is outside individual acceptance criteria.

2-Butanone (MEK) RPD 24% (20%) is outside individual acceptance criteria.

Ethyl tert-butyl ether RPD 30% (20%) is outside individual acceptance criteria.

1424541 BS/BSD

2,2-Dichloropropane percent recoveries (136/134) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

BB-US-SWV-01
BB-US-SWV-02
BB-US-SWV-03
BB-US-SWV-04
BB-US-SWV-05
BB-US-SWV-06
BB-US-SWV-07
BB-US-SWV-08
DUP-4-Water
DUP-5-Water
NR-DS-SWV-06
NR-DS-SWV-07
NR-DS-SWV-08
NR-US-SWV-01
NR-US-SWV-02
TB-2-Water
TB-3-Water

Laboratory Control Samples:

1424541 BS/BSD

trans-1,3-Dichloropropene percent recoveries (129/132) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

BB-US-SWV-01
BB-US-SWV-02
BB-US-SWV-03
BB-US-SWV-04
BB-US-SWV-05
BB-US-SWV-06
BB-US-SWV-07
BB-US-SWV-08
DUP-4-Water
DUP-5-Water
NR-DS-SWV-06
NR-DS-SWV-07
NR-DS-SWV-08
NR-US-SWV-01
NR-US-SWV-02
TB-2-Water
TB-3-Water

1424777 BS/BSD

2-Butanone (MEK) percent recoveries (137/103) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

NR-DS-SEDV-01
NR-US-SEDV-01
NR-US-SEDV-03
NR-US-SEDV-08

4-Methyl-2-pentanone (MIBK) percent recoveries (116/132) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

NR-DS-SEDV-01
NR-US-SEDV-01
NR-US-SEDV-03
NR-US-SEDV-08

Acetone percent recoveries (181/157) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

NR-DS-SEDV-01
NR-US-SEDV-01
NR-US-SEDV-03
NR-US-SEDV-08

Ethanol percent recoveries (126/135) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

NR-DS-SEDV-01
NR-US-SEDV-01
NR-US-SEDV-03
NR-US-SEDV-08

SW846 8260C

Laboratory Control Samples:

1424777 BS/BSD

Tert-Butanol / butyl alcohol percent recoveries (132/129) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

NR-DS-SEDV-01
NR-US-SEDV-01
NR-US-SEDV-03
NR-US-SEDV-08

1425049 BS/BSD

trans-1,4-Dichloro-2-butene percent recoveries (60/60) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TB-3-Soil

Spikes:

1424514-MS1 *Source: SB98147-14*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1,2-Trichlorotrifluoroethane (Freon 113)
1,1-Dichloroethene
1,2,4-Trimethylbenzene
1,3,5-Trichlorobenzene
1,3,5-Trimethylbenzene
1,3-Dichlorobenzene
2-Chlorotoluene
4-Chlorotoluene
4-Isopropyltoluene
Bromobenzene
Hexachlorobutadiene
Isopropylbenzene
n-Butylbenzene
n-Propylbenzene
sec-Butylbenzene
tert-Butylbenzene
trans-1,2-Dichloroethene
Trichlorofluoromethane (Freon 11)

1424514-MSD1 *Source: SB98147-14*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
4-Chlorotoluene
Hexachlorobutadiene
n-Propylbenzene
sec-Butylbenzene

1424519-MS1 *Source: SB98147-15*

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

2,2-Dichloropropane
Ethanol

1424519-MSD1 *Source: SB98147-15*

SW846 8260C

Spikes:

1424519-MSD1 *Source: SB98147-15*

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

2,2-Dichloropropane
Ethanol

1424671-MS1 *Source: SB98147-14RE1*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,4-Dioxane
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Acetone
Acrylonitrile
Tert-Butanol / butyl alcohol

1424671-MSD1 *Source: SB98147-14RE1*

RPD out of acceptance range.

Acetone

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,4-Dioxane
2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Acetone
Acrylonitrile
Ethanol
Tert-Butanol / butyl alcohol
Tetrahydrofuran

Samples:

S411822-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2,2-Dichloropropane (-36.3%)
Ethanol (27.4%)
Ethyl tert-butyl ether (-31.0%)
Hexachlorobutadiene (23.1%)
Methyl tert-butyl ether (-20.6%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

4-Methyl-2-pentanone (MIBK) (-20.8%)
Naphthalene (-27.1%)
trans-1,3-Dichloropropene (-26.0%)

SW846 8260C

Samples:

S411822-CCV1

This affected the following samples:

1424519-BLK1
1424519-BS1
1424519-BSD1
1424519-MS1
1424519-MSD1
NR-DS-SWV-01
NR-DS-SWV-02
NR-DS-SWV-03
NR-DS-SWV-04
NR-DS-SWV-05

S411836-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Ethyl tert-butyl ether (-25.6%)

This affected the following samples:

1424525-BLK1
1424525-BS1
1424525-BSD1
NR-US-SWV-03
NR-US-SWV-04
NR-US-SWV-05
NR-US-SWV-06
NR-US-SWV-07
NR-US-SWV-08

S411845-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2,2-Dichloropropane (30.3%)
cis-1,3-Dichloropropene (24.9%)
Dibromochloromethane (23.9%)
trans-1,3-Dichloropropene (26.4%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Chloromethane (-21.2%)

SW846 8260C

Samples:

S411845-CCV1

This affected the following samples:

1424541-BLK1
1424541-BS1
1424541-BSD1
1424541-MS1
1424541-MSD1
BB-US-SWV-01
BB-US-SWV-02
BB-US-SWV-03
BB-US-SWV-04
BB-US-SWV-05
BB-US-SWV-06
BB-US-SWV-07
BB-US-SWV-08
DUP-4-Water
DUP-5-Water
NR-DS-SWV-06
NR-DS-SWV-07
NR-DS-SWV-08
NR-US-SWV-01
NR-US-SWV-02
TB-2-Water
TB-3-Water

S411888-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,3,5-Trichlorobenzene (29.1%)
n-Butylbenzene (28.2%)

This affected the following samples:

1424672-BLK1
1424672-BS1
1424672-BSD1
BB-US-SEDV-06
BB-US-SEDV-07
BB-US-SEDV-08
NR-DS-SEDV-06
NR-DS-SEDV-07
NR-DS-SEDV-08
NR-US-SEDV-02
NR-US-SEDV-04
NR-US-SEDV-05
NR-US-SEDV-06
NR-US-SEDV-07
TB-2-Soil
TB-3-Soil

S411939-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Dibromochloromethane (23.8%)

SW846 8260C

Samples:

S411939-CCV1

This affected the following samples:

1424777-BLK1
1424777-BS1
1424777-BSD1
NR-DS-SEDV-01
NR-US-SEDV-01
NR-US-SEDV-03
NR-US-SEDV-08

S412088-CCV1

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

trans-1,4-Dichloro-2-butene (-39.8%)

This affected the following samples:

1425049-BLK1
1425049-BS1
1425049-BSD1
TB-3-Soil

SB98147-14 *NR-DS-SEDV-05*

Sample data reported for QC purposes only.

Sample Acceptance Check Form

Client: ENVIRON International Corporation - Portland, ME
 Project: Envirite - Thomaston, CT / 08-14218G3
 Work Order: SB98147
 Sample(s) received on: 10/15/2014

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

| | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Were custody seals present? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Were custody seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Were samples received at a temperature of $\leq 6^{\circ}\text{C}$? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Were samples cooled on ice upon transfer to laboratory representative? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Were samples refrigerated upon transfer to laboratory representative? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. Were sample containers received intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Were samples accompanied by a Chain of Custody document? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Did sample container labels agree with Chain of Custody document? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 11. Were samples received within method-specific holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Identification

NR-DS-SED-01

SB98147-01

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 15:40

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.72 | | mg/kg dry | 1.72 | 0.608 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 16.4 | | mg/kg dry | 1.14 | 0.208 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | < 0.572 | | mg/kg dry | 0.572 | 0.0767 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 8.46 | | mg/kg dry | 1.14 | 0.207 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 13.9 | | mg/kg dry | 1.14 | 0.157 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 5,030 | | mg/kg dry | 4.58 | 2.07 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 97.3 | | mg/kg dry | 1.14 | 0.173 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 68.5 | | mg/kg dry | 28.6 | 6.42 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 5.97 | | mg/kg dry | 1.14 | 0.159 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 5.68 | | mg/kg dry | 1.72 | 0.797 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 47.1 | | mg/kg dry | 1.14 | 0.286 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 77.4 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424438 | |
| Total Organic Carbon | 1,120 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 23-Oct-14 | 23-Oct-14 | DJB | 1425146 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 14.2 | % Retained | | | | | 1 | ASTM D422 | 21-Oct-14 | 22-Oct-14 | EEM | 1424931 | |
| Fractional % Sieve #10 (4750-2000µm) | 9.60 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 23.1 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 27.9 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 17.3 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.400 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 7.20 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.300 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-DS-SEDV-01

SB98147-02

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 15:40

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Re-analysis of Volatile Organic Compounds | | | | | | | | | | | | | |
| by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 3.9 | | µg/kg dry | 3.9 | 3.2 | 1 | SW846 8260C | 21-Oct-14 | 21-Oct-14 | JEG | 1424777 | X |
| 67-64-1 | Acetone | < 39.1 | | µg/kg dry | 39.1 | 20.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 3.9 | | µg/kg dry | 3.9 | 2.6 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 3.9 | | µg/kg dry | 3.9 | 1.4 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 3.9 | | µg/kg dry | 3.9 | 2.6 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 3.9 | | µg/kg dry | 3.9 | 3.9 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 3.9 | | µg/kg dry | 3.9 | 3.1 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 3.9 | | µg/kg dry | 3.9 | 3.7 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 7.8 | | µg/kg dry | 7.8 | 7.7 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 39.1 | | µg/kg dry | 39.1 | 13.2 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 3.9 | | µg/kg dry | 3.9 | 3.2 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 3.9 | | µg/kg dry | 3.9 | 2.5 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 3.9 | | µg/kg dry | 3.9 | 2.8 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 7.8 | | µg/kg dry | 7.8 | 2.0 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 3.9 | | µg/kg dry | 3.9 | 1.9 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 1.4 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 7.8 | | µg/kg dry | 7.8 | 3.4 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 3.9 | | µg/kg dry | 3.9 | 2.0 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 7.8 | | µg/kg dry | 7.8 | 7.7 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 3.9 | | µg/kg dry | 3.9 | 1.7 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 3.9 | | µg/kg dry | 3.9 | 2.1 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 7.8 | | µg/kg dry | 7.8 | 5.1 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 3.9 | | µg/kg dry | 3.9 | 1.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 3.9 | | µg/kg dry | 3.9 | 0.9 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 3.9 | | µg/kg dry | 3.9 | 2.2 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 1.8 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 2.8 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 2.2 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 7.8 | | µg/kg dry | 7.8 | 2.8 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 3.9 | | µg/kg dry | 3.9 | 1.5 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 3.9 | | µg/kg dry | 3.9 | 2.0 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 3.9 | | µg/kg dry | 3.9 | 2.6 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 3.9 | | µg/kg dry | 3.9 | 1.3 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 3.9 | | µg/kg dry | 3.9 | 2.7 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 3.9 | | µg/kg dry | 3.9 | 1.8 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 3.9 | | µg/kg dry | 3.9 | 1.4 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 3.9 | | µg/kg dry | 3.9 | 2.5 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 3.9 | | µg/kg dry | 3.9 | 2.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 3.9 | | µg/kg dry | 3.9 | 1.0 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 3.9 | | µg/kg dry | 3.9 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SEDV-01

SB98147-02

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 15:40

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds

by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 13.19 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 100-41-4 | Ethylbenzene | < 3.9 | | µg/kg dry | 3.9 | 1.3 | 1 | SW846 8260C | 21-Oct-14 | 21-Oct-14 | JEG | 1424777 | X |
| 87-68-3 | Hexachlorobutadiene | < 3.9 | | µg/kg dry | 3.9 | 1.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 39.1 | | µg/kg dry | 39.1 | 9.0 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 3.9 | | µg/kg dry | 3.9 | 3.4 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 3.9 | | µg/kg dry | 3.9 | 2.3 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 3.9 | | µg/kg dry | 3.9 | 2.1 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 39.1 | | µg/kg dry | 39.1 | 12.1 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 7.8 | | µg/kg dry | 7.8 | 2.4 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 3.9 | | µg/kg dry | 3.9 | 2.7 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 3.9 | | µg/kg dry | 3.9 | 1.6 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 3.9 | | µg/kg dry | 3.9 | 0.2 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 3.9 | | µg/kg dry | 3.9 | 2.3 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 3.9 | | µg/kg dry | 3.9 | 2.6 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 3.9 | | µg/kg dry | 3.9 | 2.7 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 3.9 | | µg/kg dry | 3.9 | 1.6 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 2.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 2.3 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 0.9 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 3.9 | | µg/kg dry | 3.9 | 2.2 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 3.9 | | µg/kg dry | 3.9 | 1.6 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 3.9 | | µg/kg dry | 3.9 | 1.2 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 3.9 | | µg/kg dry | 3.9 | 2.7 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 3.9 | | µg/kg dry | 3.9 | 2.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 3.9 | | µg/kg dry | 3.9 | 2.4 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 3.9 | | µg/kg dry | 3.9 | 2.3 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 3.9 | | µg/kg dry | 3.9 | 2.6 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 7.8 | | µg/kg dry | 7.8 | 2.2 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 3.9 | | µg/kg dry | 3.9 | 2.5 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 7.8 | | µg/kg dry | 7.8 | 5.7 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 3.9 | | µg/kg dry | 3.9 | 3.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 3.9 | | µg/kg dry | 3.9 | 2.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 3.9 | | µg/kg dry | 3.9 | 1.2 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 3.9 | | µg/kg dry | 3.9 | 1.1 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 39.1 | | µg/kg dry | 39.1 | 23.3 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 78.1 | | µg/kg dry | 78.1 | 52.7 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 19.5 | | µg/kg dry | 19.5 | 9.6 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1560 | | µg/kg dry | 1560 | 446 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 104 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 116 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 109 | | | 70-130 % | | | " | " | " | " | " | |

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| <u>Sample Identification</u> | | | | <u>Client Project #</u> | | <u>Matrix</u> | | <u>Collection Date/Time</u> | | <u>Received</u> | | | |
|------------------------------|------------|--------|------|-------------------------|------|---------------|----------|-----------------------------|-----------|-----------------|---------|---------|-------|
| NR-DS-SEDV-01 | | | | 08-14218G3 | | Soil | | 14-Oct-14 15:40 | | 15-Oct-14 | | | |
| SB98147-02 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 77.4 | SOL | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424438 | |

Sample Identification

NR-DS-SWV-01

SB98147-03

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 15:40

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | GMA | 1424519 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SWV-01

SB98147-03

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 15:40

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | GMA | 1424519 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 88 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 105 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 110 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

NR-DS-SED-02

SB98147-04

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 16:00

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.88 | | mg/kg dry | 1.88 | 0.664 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 23.0 | | mg/kg dry | 1.25 | 0.228 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | < 0.626 | | mg/kg dry | 0.626 | 0.0838 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 68.6 | | mg/kg dry | 1.25 | 0.226 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 18.3 | | mg/kg dry | 1.25 | 0.171 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 14,500 | | mg/kg dry | 5.00 | 2.27 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 465 | | mg/kg dry | 1.25 | 0.189 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 56.5 | | mg/kg dry | 31.3 | 7.02 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 11.5 | | mg/kg dry | 1.25 | 0.174 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 6.14 | | mg/kg dry | 1.88 | 0.871 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 54.0 | | mg/kg dry | 1.25 | 0.313 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 71.0 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424438 | |
| Total Organic Carbon | 550 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 23-Oct-14 | 23-Oct-14 | DJB | 1425146 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 27.1 | % Retained | | | | | 1 | ASTM D422 | 21-Oct-14 | 22-Oct-14 | EEM | 1424931 | |
| Fractional % Sieve #10 (4750-2000µm) | 22.2 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 27.6 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 17.2 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 4.30 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.300 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 1.10 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.200 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-DS-SEDV-02

SB98147-05

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 16:00

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|-------------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Re-analysis of Volatile Organic Compounds | | | | | | | | | | | | | |
| by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| | | | | | | | | Initial weight: 11.35 g | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.1 | | µg/kg dry | 5.1 | 4.2 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 67-64-1 | Acetone | < 51.5 | | µg/kg dry | 51.5 | 27.1 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.1 | | µg/kg dry | 5.1 | 3.4 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.1 | | µg/kg dry | 5.1 | 1.9 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.1 | | µg/kg dry | 5.1 | 3.5 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.1 | | µg/kg dry | 5.1 | 5.1 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.1 | | µg/kg dry | 5.1 | 4.0 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.1 | | µg/kg dry | 5.1 | 4.9 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.3 | | µg/kg dry | 10.3 | 10.2 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 51.5 | | µg/kg dry | 51.5 | 17.4 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.1 | | µg/kg dry | 5.1 | 4.2 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.1 | | µg/kg dry | 5.1 | 3.3 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.1 | | µg/kg dry | 5.1 | 3.7 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.3 | | µg/kg dry | 10.3 | 2.6 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.1 | | µg/kg dry | 5.1 | 2.5 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 1.8 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.3 | | µg/kg dry | 10.3 | 4.4 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.1 | | µg/kg dry | 5.1 | 2.7 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.3 | | µg/kg dry | 10.3 | 10.1 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.1 | | µg/kg dry | 5.1 | 2.3 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.1 | | µg/kg dry | 5.1 | 2.7 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.3 | | µg/kg dry | 10.3 | 6.7 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.1 | | µg/kg dry | 5.1 | 1.9 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.1 | | µg/kg dry | 5.1 | 1.2 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.1 | | µg/kg dry | 5.1 | 2.9 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 2.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 3.7 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 2.8 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.3 | | µg/kg dry | 10.3 | 3.7 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.1 | | µg/kg dry | 5.1 | 2.0 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.1 | | µg/kg dry | 5.1 | 2.6 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.1 | | µg/kg dry | 5.1 | 3.4 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.1 | | µg/kg dry | 5.1 | 1.7 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.1 | | µg/kg dry | 5.1 | 3.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.1 | | µg/kg dry | 5.1 | 2.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.1 | | µg/kg dry | 5.1 | 1.8 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.1 | | µg/kg dry | 5.1 | 3.2 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.1 | | µg/kg dry | 5.1 | 3.1 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.1 | | µg/kg dry | 5.1 | 1.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.1 | | µg/kg dry | 5.1 | 2.6 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SEDV-02

SB98147-05

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 16:00

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds

by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 11.35 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 100-41-4 | Ethylbenzene | < 5.1 | | µg/kg dry | 5.1 | 1.7 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 87-68-3 | Hexachlorobutadiene | < 5.1 | | µg/kg dry | 5.1 | 1.9 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 51.5 | | µg/kg dry | 51.5 | 11.8 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.1 | | µg/kg dry | 5.1 | 4.5 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.1 | | µg/kg dry | 5.1 | 3.1 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 5.1 | | µg/kg dry | 5.1 | 2.7 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 51.5 | | µg/kg dry | 51.5 | 16.0 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 10.3 | | µg/kg dry | 10.3 | 3.1 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.1 | | µg/kg dry | 5.1 | 3.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.1 | | µg/kg dry | 5.1 | 2.1 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.1 | | µg/kg dry | 5.1 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.1 | | µg/kg dry | 5.1 | 3.1 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.1 | | µg/kg dry | 5.1 | 3.4 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.1 | | µg/kg dry | 5.1 | 3.5 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.1 | | µg/kg dry | 5.1 | 2.2 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 3.7 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 3.0 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 1.2 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.1 | | µg/kg dry | 5.1 | 2.9 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.1 | | µg/kg dry | 5.1 | 2.1 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.1 | | µg/kg dry | 5.1 | 1.6 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.1 | | µg/kg dry | 5.1 | 3.5 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 5.1 | | µg/kg dry | 5.1 | 3.1 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.1 | | µg/kg dry | 5.1 | 3.2 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.1 | | µg/kg dry | 5.1 | 3.1 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.1 | | µg/kg dry | 5.1 | 3.4 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.3 | | µg/kg dry | 10.3 | 3.0 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.1 | | µg/kg dry | 5.1 | 3.3 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.3 | | µg/kg dry | 10.3 | 7.6 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.1 | | µg/kg dry | 5.1 | 4.7 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.1 | | µg/kg dry | 5.1 | 3.0 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.1 | | µg/kg dry | 5.1 | 1.5 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.1 | | µg/kg dry | 5.1 | 1.4 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 51.5 | | µg/kg dry | 51.5 | 30.7 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 103 | | µg/kg dry | 103 | 69.4 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 25.7 | | µg/kg dry | 25.7 | 12.7 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2060 | | µg/kg dry | 2060 | 587 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 103 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 103 | | | 70-130 % | | | " | " | " | " | " | |

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| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|------------------------------|------------|--------|------|-------|-------------------------|---------------|-----------------------------|-----------------|-----------|-----------|---------|---------|-------|
| NR-DS-SEDV-02 | | | | | 08-14218G3 | Soil | 14-Oct-14 16:00 | 15-Oct-14 | | | | | |
| SB98147-05 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 71.0 | SOLa | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424438 | |

Sample Identification

NR-DS-SWV-02

SB98147-06

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 16:00

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | GMA | 1424519 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SWV-02

SB98147-06

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 16:00

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | GMA | 1424519 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 90 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 105 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 109 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

NR-DS-SED-03

SB98147-07

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 16:15

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.61 | | mg/kg dry | 1.61 | 0.570 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 17.0 | | mg/kg dry | 1.07 | 0.195 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | < 0.536 | | mg/kg dry | 0.536 | 0.0719 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 9.30 | | mg/kg dry | 1.07 | 0.194 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 17.3 | | mg/kg dry | 1.07 | 0.147 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 7,920 | | mg/kg dry | 4.29 | 1.95 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 250 | | mg/kg dry | 1.07 | 0.162 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 47.0 | | mg/kg dry | 26.8 | 6.02 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 8.72 | | mg/kg dry | 1.07 | 0.149 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 6.61 | | mg/kg dry | 1.61 | 0.747 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 50.9 | | mg/kg dry | 1.07 | 0.268 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 82.1 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424438 | |
| Total Organic Carbon | 488 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 23-Oct-14 | 23-Oct-14 | DJB | 1425146 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 14.3 | % Retained | | | | | 1 | ASTM D422 | 21-Oct-14 | 22-Oct-14 | EEM | 1424931 | |
| Fractional % Sieve #10 (4750-2000µm) | 17.0 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 35.1 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 22.9 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 7.80 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.100 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 2.60 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.300 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-DS-SEDV-03

SB98147-08

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 16:15

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|-------------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Re-analysis of Volatile Organic Compounds | | | | | | | | | | | | | |
| by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| | | | | | | | | Initial weight: 11.95 g | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 3.6 | | µg/kg dry | 3.6 | 2.9 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 67-64-1 | Acetone | < 36.4 | | µg/kg dry | 36.4 | 19.2 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 3.6 | | µg/kg dry | 3.6 | 2.4 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 3.6 | | µg/kg dry | 3.6 | 1.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 3.6 | | µg/kg dry | 3.6 | 2.5 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 3.6 | | µg/kg dry | 3.6 | 3.6 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 3.6 | | µg/kg dry | 3.6 | 2.8 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 3.6 | | µg/kg dry | 3.6 | 3.5 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 7.3 | | µg/kg dry | 7.3 | 7.2 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 36.4 | | µg/kg dry | 36.4 | 12.3 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 3.6 | | µg/kg dry | 3.6 | 3.0 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 3.6 | | µg/kg dry | 3.6 | 2.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 3.6 | | µg/kg dry | 3.6 | 2.6 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 7.3 | | µg/kg dry | 7.3 | 1.8 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 3.6 | | µg/kg dry | 3.6 | 1.8 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 3.6 | | µg/kg dry | 3.6 | 1.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 7.3 | | µg/kg dry | 7.3 | 3.1 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 3.6 | | µg/kg dry | 3.6 | 1.9 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 7.3 | | µg/kg dry | 7.3 | 7.1 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 3.6 | | µg/kg dry | 3.6 | 1.6 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 3.6 | | µg/kg dry | 3.6 | 1.9 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 7.3 | | µg/kg dry | 7.3 | 4.7 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 3.6 | | µg/kg dry | 3.6 | 1.3 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 3.6 | | µg/kg dry | 3.6 | 0.8 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 3.6 | | µg/kg dry | 3.6 | 2.0 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 3.6 | | µg/kg dry | 3.6 | 1.7 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 3.6 | | µg/kg dry | 3.6 | 2.6 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 3.6 | | µg/kg dry | 3.6 | 2.0 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 7.3 | | µg/kg dry | 7.3 | 2.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 3.6 | | µg/kg dry | 3.6 | 1.4 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 3.6 | | µg/kg dry | 3.6 | 1.9 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 3.6 | | µg/kg dry | 3.6 | 2.4 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 3.6 | | µg/kg dry | 3.6 | 1.2 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 3.6 | | µg/kg dry | 3.6 | 2.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 3.6 | | µg/kg dry | 3.6 | 1.6 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 3.6 | | µg/kg dry | 3.6 | 1.3 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 3.6 | | µg/kg dry | 3.6 | 2.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 3.6 | | µg/kg dry | 3.6 | 2.2 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 3.6 | | µg/kg dry | 3.6 | 1.0 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 3.6 | | µg/kg dry | 3.6 | 1.8 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SEDV-03

SB98147-08

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 16:15

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds

by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 11.95 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 100-41-4 | Ethylbenzene | < 3.6 | | µg/kg dry | 3.6 | 1.2 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 87-68-3 | Hexachlorobutadiene | < 3.6 | | µg/kg dry | 3.6 | 1.3 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 36.4 | | µg/kg dry | 36.4 | 8.4 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 3.6 | | µg/kg dry | 3.6 | 3.2 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 3.6 | | µg/kg dry | 3.6 | 2.2 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 3.6 | | µg/kg dry | 3.6 | 1.9 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 36.4 | | µg/kg dry | 36.4 | 11.3 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 7.3 | | µg/kg dry | 7.3 | 2.2 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 3.6 | | µg/kg dry | 3.6 | 2.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 3.6 | | µg/kg dry | 3.6 | 1.5 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 3.6 | | µg/kg dry | 3.6 | 0.2 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 3.6 | | µg/kg dry | 3.6 | 2.2 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 3.6 | | µg/kg dry | 3.6 | 2.4 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 3.6 | | µg/kg dry | 3.6 | 2.5 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 3.6 | | µg/kg dry | 3.6 | 1.5 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 3.6 | | µg/kg dry | 3.6 | 2.6 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 3.6 | | µg/kg dry | 3.6 | 2.1 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 3.6 | | µg/kg dry | 3.6 | 0.9 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 3.6 | | µg/kg dry | 3.6 | 2.0 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 3.6 | | µg/kg dry | 3.6 | 1.5 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 3.6 | | µg/kg dry | 3.6 | 1.2 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 3.6 | | µg/kg dry | 3.6 | 2.5 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 3.6 | | µg/kg dry | 3.6 | 2.2 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 3.6 | | µg/kg dry | 3.6 | 2.2 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 3.6 | | µg/kg dry | 3.6 | 2.2 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 3.6 | | µg/kg dry | 3.6 | 2.4 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 7.3 | | µg/kg dry | 7.3 | 2.1 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 3.6 | | µg/kg dry | 3.6 | 2.3 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 7.3 | | µg/kg dry | 7.3 | 5.3 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 3.6 | | µg/kg dry | 3.6 | 3.3 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 3.6 | | µg/kg dry | 3.6 | 2.1 | 1 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | < 3.6 | | µg/kg dry | 3.6 | 1.1 | 1 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | < 3.6 | | µg/kg dry | 3.6 | 1.0 | 1 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 36.4 | | µg/kg dry | 36.4 | 21.7 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 72.8 | | µg/kg dry | 72.8 | 49.1 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 18.2 | | µg/kg dry | 18.2 | 9.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1460 | | µg/kg dry | 1460 | 415 | 1 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 107 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 100 | | | 70-130 % | | | " | " | " | " | " | |

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| <u>Sample Identification</u> | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | | |
|------------------------------|------------|--------|------|-------------------------|---------------|-----------------------------|-----------------|---------------|-----------|-----------|---------|---------|-------|
| NR-DS-SEDV-03 | | | | 08-14218G3 | Soil | 14-Oct-14 16:15 | 15-Oct-14 | | | | | | |
| SB98147-08 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 82.1 | SOLb | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424438 | |

Sample Identification

NR-DS-SWV-03

SB98147-09

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 16:15

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | GMA | 1424519 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SWV-03

SB98147-09

Client Project

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 16:15

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | GMA | 1424519 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 89 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 104 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 107 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

NR-DS-SED-04

SB98147-10

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 16:35

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.81 | | mg/kg dry | 1.81 | 0.642 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 13.3 | | mg/kg dry | 1.21 | 0.220 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | < 0.604 | | mg/kg dry | 0.604 | 0.0810 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 6.04 | | mg/kg dry | 1.21 | 0.219 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 11.5 | | mg/kg dry | 1.21 | 0.166 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 5,120 | | mg/kg dry | 4.84 | 2.19 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 171 | | mg/kg dry | 1.21 | 0.183 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 55.4 | | mg/kg dry | 30.2 | 6.79 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 5.69 | | mg/kg dry | 1.21 | 0.168 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 5.16 | | mg/kg dry | 1.81 | 0.841 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 34.8 | | mg/kg dry | 1.21 | 0.302 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 71.8 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424438 | |
| Total Organic Carbon | 1,030 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 23-Oct-14 | 23-Oct-14 | DJB | 1425146 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 5.20 | % Retained | | | | | 1 | ASTM D422 | 21-Oct-14 | 22-Oct-14 | EEM | 1424931 | |
| Fractional % Sieve #10 (4750-2000µm) | 2.10 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 31.2 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 46.1 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 12.3 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 2.40 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 0.500 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.200 | % Retained | | | | | 1 | " | " | " | " | " | |

Sample Identification

NR-DS-SEDV-04

SB98147-11

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 16:35

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|-------------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| <u>Re-analysis of Volatile Organic Compounds</u> | | | | | | | | | | | | | |
| <u>by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | | | | | | | |
| | | | | | | | | Initial weight: 12.22 g | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 4.8 | | µg/kg dry | 4.8 | 3.9 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 67-64-1 | Acetone | < 48.1 | | µg/kg dry | 48.1 | 25.4 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 4.8 | | µg/kg dry | 4.8 | 4.8 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 4.8 | | µg/kg dry | 4.8 | 3.8 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 4.8 | | µg/kg dry | 4.8 | 4.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 9.6 | | µg/kg dry | 9.6 | 9.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 48.1 | | µg/kg dry | 48.1 | 16.2 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 4.8 | | µg/kg dry | 4.8 | 4.0 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 4.8 | | µg/kg dry | 4.8 | 3.1 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 4.8 | | µg/kg dry | 4.8 | 3.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 9.6 | | µg/kg dry | 9.6 | 2.4 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 4.8 | | µg/kg dry | 4.8 | 2.3 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 9.6 | | µg/kg dry | 9.6 | 4.2 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 4.8 | | µg/kg dry | 4.8 | 2.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 9.6 | | µg/kg dry | 9.6 | 9.4 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 4.8 | | µg/kg dry | 4.8 | 2.2 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 4.8 | | µg/kg dry | 4.8 | 2.5 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 9.6 | | µg/kg dry | 9.6 | 6.3 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 4.8 | | µg/kg dry | 4.8 | 1.1 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 4.8 | | µg/kg dry | 4.8 | 2.7 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 2.3 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 3.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 2.7 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 9.6 | | µg/kg dry | 9.6 | 3.5 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 4.8 | | µg/kg dry | 4.8 | 1.9 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 4.8 | | µg/kg dry | 4.8 | 2.4 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 4.8 | | µg/kg dry | 4.8 | 1.6 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 4.8 | | µg/kg dry | 4.8 | 3.3 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 4.8 | | µg/kg dry | 4.8 | 2.2 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 4.8 | | µg/kg dry | 4.8 | 3.0 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 4.8 | | µg/kg dry | 4.8 | 1.3 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 4.8 | | µg/kg dry | 4.8 | 2.4 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SEDV-04

SB98147-11

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 16:35

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds

by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 12.22 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 100-41-4 | Ethylbenzene | < 4.8 | | µg/kg dry | 4.8 | 1.6 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 87-68-3 | Hexachlorobutadiene | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 48.1 | | µg/kg dry | 48.1 | 11.1 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 4.8 | | µg/kg dry | 4.8 | 4.2 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 4.8 | | µg/kg dry | 4.8 | 2.5 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 48.1 | | µg/kg dry | 48.1 | 14.9 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 9.6 | | µg/kg dry | 9.6 | 2.9 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 4.8 | | µg/kg dry | 4.8 | 3.3 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 4.8 | | µg/kg dry | 4.8 | 1.9 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 4.8 | | µg/kg dry | 4.8 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 4.8 | | µg/kg dry | 4.8 | 3.3 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 4.8 | | µg/kg dry | 4.8 | 2.0 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 3.4 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 2.8 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 1.1 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 4.8 | | µg/kg dry | 4.8 | 2.7 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 4.8 | | µg/kg dry | 4.8 | 1.9 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 4.8 | | µg/kg dry | 4.8 | 1.5 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 4.8 | | µg/kg dry | 4.8 | 3.3 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 9.6 | | µg/kg dry | 9.6 | 2.8 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 4.8 | | µg/kg dry | 4.8 | 3.0 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 9.6 | | µg/kg dry | 9.6 | 7.1 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 4.8 | | µg/kg dry | 4.8 | 4.4 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 4.8 | | µg/kg dry | 4.8 | 2.8 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 4.8 | | µg/kg dry | 4.8 | 1.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 4.8 | | µg/kg dry | 4.8 | 1.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 48.1 | | µg/kg dry | 48.1 | 28.7 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 96.2 | | µg/kg dry | 96.2 | 64.9 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 24.1 | | µg/kg dry | 24.1 | 11.9 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1920 | | µg/kg dry | 1920 | 549 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 109 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 104 | | | 70-130 % | | | " | " | " | " | " | |

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | <u>Client Project #</u> | | <u>Matrix</u> | | <u>Collection Date/Time</u> | | <u>Received</u> | | | |
|------------------------------|------------|--------|------|-------------------------|------|---------------|----------|-----------------------------|-----------|-----------------|---------|---------|-------|
| NR-DS-SEDV-04 | | | | 08-14218G3 | | Soil | | 14-Oct-14 16:35 | | 15-Oct-14 | | | |
| SB98147-11 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 71.8 | SOLc | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424438 | |

Sample Identification

NR-DS-SWV-04

SB98147-12

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 16:35

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | GMA | 1424519 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SWV-04

SB98147-12

Client Project

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 16:35

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | GMA | 1424519 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 87 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 98 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 102 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 107 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

NR-DS-SED-05

SB98147-13

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 17:00

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.59 | | mg/kg dry | 1.59 | 0.564 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 24.7 | | mg/kg dry | 1.06 | 0.193 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | < 0.531 | | mg/kg dry | 0.531 | 0.0712 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 7.59 | | mg/kg dry | 1.06 | 0.192 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 24.7 | | mg/kg dry | 1.06 | 0.146 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 9,070 | | mg/kg dry | 4.25 | 1.93 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 201 | | mg/kg dry | 1.06 | 0.160 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 74.9 | | mg/kg dry | 26.6 | 5.96 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 9.42 | | mg/kg dry | 1.06 | 0.148 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 8.50 | | mg/kg dry | 1.59 | 0.739 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 54.8 | | mg/kg dry | 1.06 | 0.266 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|--------|-------|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 82.4 | | % | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424438 | |
| Total Organic Carbon | 410 | TOC 1a | mg/kg | 100 | 44.9 | | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|--|---------------|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 17.2 | | % Retained | | | | 1 | ASTM D422 | 21-Oct-14 | 22-Oct-14 | EEM | 1424931 | |
| Fractional % Sieve #10 (4750-2000µm) | 43.0 | | % Retained | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 29.9 | | % Retained | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 8.10 | | % Retained | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 1.40 | | % Retained | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.300 | | % Retained | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 0.100 | | % Retained | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.00 | | % Retained | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-DS-SEDV-05

SB98147-14

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 17:00

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (high level) | | | | | | | | | | | | | |
| Initial weight: 24.3 g | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 48.1 | D | µg/kg dry | 48.1 | 39.0 | 50 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | SJB | 1424514 | X |
| 67-64-1 | Acetone | < 48.1 | D | µg/kg dry | 48.1 | 254 | 50 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 48.1 | D | µg/kg dry | 48.1 | 32.2 | 50 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 48.1 | D | µg/kg dry | 48.1 | 17.3 | 50 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 48.1 | D | µg/kg dry | 48.1 | 32.4 | 50 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 48.1 | D | µg/kg dry | 48.1 | 47.8 | 50 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 48.1 | D | µg/kg dry | 48.1 | 37.6 | 50 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 48.1 | D | µg/kg dry | 48.1 | 46.1 | 50 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 96.2 | D | µg/kg dry | 96.2 | 94.9 | 50 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 48.1 | D | µg/kg dry | 48.1 | 162 | 50 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 48.1 | D | µg/kg dry | 48.1 | 39.7 | 50 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 48.1 | D | µg/kg dry | 48.1 | 31.2 | 50 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 48.1 | D | µg/kg dry | 48.1 | 34.3 | 50 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 96.2 | D | µg/kg dry | 96.2 | 24.1 | 50 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 48.1 | D | µg/kg dry | 48.1 | 23.4 | 50 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 48.1 | D | µg/kg dry | 48.1 | 16.8 | 50 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 96.2 | D | µg/kg dry | 96.2 | 41.5 | 50 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 48.1 | D | µg/kg dry | 48.1 | 25.0 | 50 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 96.2 | D | µg/kg dry | 96.2 | 94.3 | 50 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 48.1 | D | µg/kg dry | 48.1 | 21.6 | 50 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 48.1 | D | µg/kg dry | 48.1 | 25.4 | 50 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 96.2 | D | µg/kg dry | 96.2 | 62.6 | 50 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 48.1 | D | µg/kg dry | 48.1 | 17.3 | 50 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 48.1 | D | µg/kg dry | 48.1 | 10.9 | 50 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 48.1 | D | µg/kg dry | 48.1 | 26.8 | 50 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 48.1 | D | µg/kg dry | 48.1 | 22.5 | 50 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 48.1 | D | µg/kg dry | 48.1 | 34.2 | 50 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 48.1 | D | µg/kg dry | 48.1 | 26.6 | 50 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 96.2 | D | µg/kg dry | 96.2 | 35.0 | 50 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 48.1 | D | µg/kg dry | 48.1 | 18.8 | 50 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 48.1 | D | µg/kg dry | 48.1 | 24.5 | 50 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 48.1 | D | µg/kg dry | 48.1 | 32.1 | 50 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 48.1 | D | µg/kg dry | 48.1 | 16.3 | 50 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 48.1 | D | µg/kg dry | 48.1 | 33.1 | 50 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 48.1 | D | µg/kg dry | 48.1 | 21.8 | 50 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 48.1 | D | µg/kg dry | 48.1 | 16.8 | 50 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 48.1 | D | µg/kg dry | 48.1 | 30.3 | 50 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 48.1 | D | µg/kg dry | 48.1 | 29.1 | 50 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 48.1 | D | µg/kg dry | 48.1 | 12.7 | 50 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 48.1 | D | µg/kg dry | 48.1 | 24.4 | 50 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 48.1 | D | µg/kg dry | 48.1 | 16.1 | 50 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SEDV-05

SB98147-14

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 17:00

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|--|-----------------------------------|---------------|-------------|------------------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | QCR | | | | | | | | | |
| Prepared by method SW846 5035A Soil (high level) | | | | Initial weight: 24.3 g | | | | | | | | | |
| 87-68-3 | Hexachlorobutadiene | < 48.1 | D | µg/kg dry | 48.1 | 17.5 | 50 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | SJB | 1424514 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 481 | D | µg/kg dry | 481 | 111 | 50 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 48.1 | D | µg/kg dry | 48.1 | 42.1 | 50 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 48.1 | D | µg/kg dry | 48.1 | 28.5 | 50 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 48.1 | D | µg/kg dry | 48.1 | 25.4 | 50 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 481 | D | µg/kg dry | 481 | 149 | 50 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 96.2 | D | µg/kg dry | 96.2 | 29.0 | 50 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 48.1 | D | µg/kg dry | 48.1 | 32.7 | 50 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 48.1 | D | µg/kg dry | 48.1 | 19.3 | 50 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 48.1 | D | µg/kg dry | 48.1 | 2.8 | 50 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 48.1 | D | µg/kg dry | 48.1 | 28.9 | 50 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 48.1 | D | µg/kg dry | 48.1 | 31.6 | 50 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 48.1 | D | µg/kg dry | 48.1 | 32.7 | 50 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 48.1 | D | µg/kg dry | 48.1 | 20.2 | 50 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 48.1 | D | µg/kg dry | 48.1 | 34.2 | 50 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 48.1 | D | µg/kg dry | 48.1 | 28.1 | 50 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 48.1 | D | µg/kg dry | 48.1 | 11.3 | 50 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 48.1 | D | µg/kg dry | 48.1 | 27.1 | 50 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 48.1 | D | µg/kg dry | 48.1 | 19.3 | 50 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 48.1 | D | µg/kg dry | 48.1 | 15.4 | 50 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 48.1 | D | µg/kg dry | 48.1 | 32.9 | 50 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 48.1 | D | µg/kg dry | 48.1 | 28.9 | 50 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 48.1 | D | µg/kg dry | 48.1 | 29.5 | 50 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 48.1 | D | µg/kg dry | 48.1 | 28.8 | 50 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 48.1 | D | µg/kg dry | 48.1 | 32.1 | 50 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 96.2 | D | µg/kg dry | 96.2 | 27.7 | 50 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 48.1 | D | µg/kg dry | 48.1 | 30.4 | 50 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 96.2 | D | µg/kg dry | 96.2 | 70.6 | 50 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 48.1 | D | µg/kg dry | 48.1 | 43.6 | 50 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 48.1 | D | µg/kg dry | 48.1 | 28.1 | 50 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 48.1 | D | µg/kg dry | 48.1 | 14.2 | 50 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 48.1 | D | µg/kg dry | 48.1 | 13.0 | 50 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 481 | D | µg/kg dry | 481 | 287 | 50 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 962 | D | µg/kg dry | 962 | 649 | 50 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 241 | D | µg/kg dry | 241 | 119 | 50 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 19200 | D | µg/kg dry | 19200 | 5490 | 50 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | |
|------------|-----------------------|-----|--|----------|--|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 118 | | 70-130 % | | " | " | " | " | " |
| 2037-26-5 | Toluene-d8 | 95 | | 70-130 % | | " | " | " | " | " |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 111 | | 70-130 % | | " | " | " | " | " |
| 1868-53-7 | Dibromofluoromethane | 102 | | 70-130 % | | " | " | " | " | " |

Re-analysis of Volatile Organic Compounds
by SW846 8260*This laboratory report is not valid without an authorized signature on the cover page.*

Sample Identification

NR-DS-SEDV-05

SB98147-14

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 17:00

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Re-analysis of Volatile Organic Compounds</u> | | | | | | | | | | | | | |
| <u>by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | | | | | | | |
| <u>Initial weight: 13.68 g</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 3.3 | | µg/kg dry | 3.3 | 2.7 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 67-64-1 | Acetone | < 32.8 | | µg/kg dry | 32.8 | 17.3 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 3.3 | | µg/kg dry | 3.3 | 2.2 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 3.3 | | µg/kg dry | 3.3 | 1.2 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 3.3 | | µg/kg dry | 3.3 | 2.2 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 3.3 | | µg/kg dry | 3.3 | 3.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 3.3 | | µg/kg dry | 3.3 | 2.6 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 3.3 | | µg/kg dry | 3.3 | 3.1 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 6.6 | | µg/kg dry | 6.6 | 6.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 32.8 | | µg/kg dry | 32.8 | 11.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 3.3 | | µg/kg dry | 3.3 | 2.7 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 3.3 | | µg/kg dry | 3.3 | 2.1 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 3.3 | | µg/kg dry | 3.3 | 2.3 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 6.6 | | µg/kg dry | 6.6 | 1.6 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 3.3 | | µg/kg dry | 3.3 | 1.6 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 3.3 | | µg/kg dry | 3.3 | 1.1 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 6.6 | | µg/kg dry | 6.6 | 2.8 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 3.3 | | µg/kg dry | 3.3 | 1.7 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 6.6 | | µg/kg dry | 6.6 | 6.4 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 3.3 | | µg/kg dry | 3.3 | 1.5 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 3.3 | | µg/kg dry | 3.3 | 1.7 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 6.6 | | µg/kg dry | 6.6 | 4.3 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 3.3 | | µg/kg dry | 3.3 | 1.2 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 3.3 | | µg/kg dry | 3.3 | 0.7 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 3.3 | | µg/kg dry | 3.3 | 1.8 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 3.3 | | µg/kg dry | 3.3 | 1.5 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 3.3 | | µg/kg dry | 3.3 | 2.3 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 3.3 | | µg/kg dry | 3.3 | 1.8 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 6.6 | | µg/kg dry | 6.6 | 2.4 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 3.3 | | µg/kg dry | 3.3 | 1.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 3.3 | | µg/kg dry | 3.3 | 1.7 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 3.3 | | µg/kg dry | 3.3 | 2.2 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 3.3 | | µg/kg dry | 3.3 | 1.1 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 3.3 | | µg/kg dry | 3.3 | 2.3 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 3.3 | | µg/kg dry | 3.3 | 1.5 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 3.3 | | µg/kg dry | 3.3 | 1.1 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 3.3 | | µg/kg dry | 3.3 | 2.1 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 3.3 | | µg/kg dry | 3.3 | 2.0 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 3.3 | | µg/kg dry | 3.3 | 0.9 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 3.3 | | µg/kg dry | 3.3 | 1.7 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 3.3 | | µg/kg dry | 3.3 | 1.1 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 3.3 | | µg/kg dry | 3.3 | 1.2 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SEDV-05

SB98147-14

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 17:00

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds

by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 13.68 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 591-78-6 | 2-Hexanone (MBK) | < 32.8 | | µg/kg dry | 32.8 | 7.6 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 98-82-8 | Isopropylbenzene | < 3.3 | | µg/kg dry | 3.3 | 2.9 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 3.3 | | µg/kg dry | 3.3 | 1.9 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 3.3 | | µg/kg dry | 3.3 | 1.7 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 32.8 | | µg/kg dry | 32.8 | 10.2 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 6.6 | | µg/kg dry | 6.6 | 2.0 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 3.3 | | µg/kg dry | 3.3 | 2.2 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 3.3 | | µg/kg dry | 3.3 | 1.3 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 3.3 | | µg/kg dry | 3.3 | 0.2 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 3.3 | | µg/kg dry | 3.3 | 2.0 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 3.3 | | µg/kg dry | 3.3 | 2.2 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 3.3 | | µg/kg dry | 3.3 | 2.2 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 3.3 | | µg/kg dry | 3.3 | 1.4 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 3.3 | | µg/kg dry | 3.3 | 2.3 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 3.3 | | µg/kg dry | 3.3 | 1.9 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 3.3 | | µg/kg dry | 3.3 | 0.8 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 3.3 | | µg/kg dry | 3.3 | 1.8 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 3.3 | | µg/kg dry | 3.3 | 1.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 3.3 | | µg/kg dry | 3.3 | 1.1 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 3.3 | | µg/kg dry | 3.3 | 2.2 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 3.3 | | µg/kg dry | 3.3 | 2.0 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 3.3 | | µg/kg dry | 3.3 | 2.0 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 3.3 | | µg/kg dry | 3.3 | 2.0 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 3.3 | | µg/kg dry | 3.3 | 2.2 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 6.6 | | µg/kg dry | 6.6 | 1.9 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 3.3 | | µg/kg dry | 3.3 | 2.1 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 6.6 | | µg/kg dry | 6.6 | 4.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 3.3 | | µg/kg dry | 3.3 | 3.0 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 3.3 | | µg/kg dry | 3.3 | 1.9 | 1 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | < 3.3 | | µg/kg dry | 3.3 | 1.0 | 1 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | < 3.3 | | µg/kg dry | 3.3 | 0.9 | 1 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 32.8 | | µg/kg dry | 32.8 | 19.6 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 65.7 | | µg/kg dry | 65.7 | 44.3 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 16.4 | | µg/kg dry | 16.4 | 8.1 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1310 | | µg/kg dry | 1310 | 375 | 1 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 109 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 104 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------|------|------|---|--|--|--|---|---------------|-----------|-----------|----|---------|--|
| % Solids | 82.4 | SOLd | % | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424438 | |
|----------|------|------|---|--|--|--|---|---------------|-----------|-----------|----|---------|--|

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

NR-DS-SWV-05

SB98147-15

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 17:00

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | GMA | 1424519 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SWV-05

SB98147-15

Client Project

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 17:00

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | GMA | 1424519 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 89 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 98 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 104 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 112 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

DUP-4-Soil

SB98147-16

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 00:00

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|--------------------|-------------|--------------|-------------|------------|-----------------|------------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | | | | | | | |
| Initial weight: 10.16 g | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 4.5 | | µg/kg dry | 4.5 | 3.7 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 67-64-1 | Acetone | < 45.4 | | µg/kg dry | 45.4 | 23.9 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 4.5 | | µg/kg dry | 4.5 | 3.0 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 4.5 | | µg/kg dry | 4.5 | 1.6 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 4.5 | | µg/kg dry | 4.5 | 3.1 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 4.5 | | µg/kg dry | 4.5 | 4.5 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 4.5 | | µg/kg dry | 4.5 | 3.5 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 4.5 | | µg/kg dry | 4.5 | 4.3 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 9.1 | | µg/kg dry | 9.1 | 8.9 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 45.4 | | µg/kg dry | 45.4 | 15.3 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 4.5 | | µg/kg dry | 4.5 | 3.7 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 4.5 | | µg/kg dry | 4.5 | 2.9 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 4.5 | | µg/kg dry | 4.5 | 3.2 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 9.1 | | µg/kg dry | 9.1 | 2.3 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 4.5 | | µg/kg dry | 4.5 | 2.2 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 1.6 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 9.1 | | µg/kg dry | 9.1 | 3.9 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 4.5 | | µg/kg dry | 4.5 | 2.4 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 9.1 | | µg/kg dry | 9.1 | 8.9 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 4.5 | | µg/kg dry | 4.5 | 2.0 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 4.5 | | µg/kg dry | 4.5 | 2.4 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 9.1 | | µg/kg dry | 9.1 | 5.9 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 4.5 | | µg/kg dry | 4.5 | 1.6 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 4.5 | | µg/kg dry | 4.5 | 1.0 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 4.5 | | µg/kg dry | 4.5 | 2.5 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 2.1 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 3.2 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 2.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 9.1 | | µg/kg dry | 9.1 | 3.3 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 4.5 | | µg/kg dry | 4.5 | 1.8 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 4.5 | | µg/kg dry | 4.5 | 2.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 4.5 | | µg/kg dry | 4.5 | 3.0 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 4.5 | | µg/kg dry | 4.5 | 1.5 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 4.5 | | µg/kg dry | 4.5 | 3.1 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 4.5 | | µg/kg dry | 4.5 | 2.1 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 4.5 | | µg/kg dry | 4.5 | 1.6 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 4.5 | | µg/kg dry | 4.5 | 2.9 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 4.5 | | µg/kg dry | 4.5 | 2.7 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 4.5 | | µg/kg dry | 4.5 | 1.2 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 4.5 | | µg/kg dry | 4.5 | 2.3 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 4.5 | | µg/kg dry | 4.5 | 1.5 | 1 | " | " | " | " | " | X |

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Sample Identification

DUP-4-Soil
SB98147-16

Client Project #
08-14218G3

Matrix
Soil

Collection Date/Time
14-Oct-14 00:00

Received
15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 10.16 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 4.5 | | µg/kg dry | 4.5 | 1.6 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 45.4 | | µg/kg dry | 45.4 | 10.4 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 4.5 | | µg/kg dry | 4.5 | 4.0 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 4.5 | | µg/kg dry | 4.5 | 2.7 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 4.5 | | µg/kg dry | 4.5 | 2.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 45.4 | | µg/kg dry | 45.4 | 14.1 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 9.1 | | µg/kg dry | 9.1 | 2.7 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 4.5 | | µg/kg dry | 4.5 | 3.1 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 4.5 | | µg/kg dry | 4.5 | 1.8 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 4.5 | | µg/kg dry | 4.5 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 4.5 | | µg/kg dry | 4.5 | 2.7 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 4.5 | | µg/kg dry | 4.5 | 3.0 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 4.5 | | µg/kg dry | 4.5 | 3.1 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 4.5 | | µg/kg dry | 4.5 | 1.9 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 3.2 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 2.6 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 4.5 | | µg/kg dry | 4.5 | 1.1 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 4.5 | | µg/kg dry | 4.5 | 2.6 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 4.5 | | µg/kg dry | 4.5 | 1.8 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 4.5 | | µg/kg dry | 4.5 | 1.5 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 4.5 | | µg/kg dry | 4.5 | 3.1 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 4.5 | | µg/kg dry | 4.5 | 2.7 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 4.5 | | µg/kg dry | 4.5 | 2.8 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 4.5 | | µg/kg dry | 4.5 | 2.7 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 4.5 | | µg/kg dry | 4.5 | 3.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 9.1 | | µg/kg dry | 9.1 | 2.6 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 4.5 | | µg/kg dry | 4.5 | 2.9 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 9.1 | | µg/kg dry | 9.1 | 6.7 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 4.5 | | µg/kg dry | 4.5 | 4.1 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 4.5 | | µg/kg dry | 4.5 | 2.6 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 4.5 | | µg/kg dry | 4.5 | 1.3 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 4.5 | | µg/kg dry | 4.5 | 1.2 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 45.4 | | µg/kg dry | 45.4 | 27.0 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 90.7 | | µg/kg dry | 90.7 | 61.2 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 22.7 | | µg/kg dry | 22.7 | 11.2 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1810 | | µg/kg dry | 1810 | 518 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 94 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 116 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 107 | | | 70-130 % | | | " | " | " | " | " | |

Total Metals by EPA 6000/7000 Series Methods

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Sample Identification

DUP-4-Soil
SB98147-16

Client Project #
08-14218G3

Matrix
Soil

Collection Date/Time
14-Oct-14 00:00

Received
15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.72 | | mg/kg dry | 1.72 | 0.609 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 18.0 | | mg/kg dry | 1.15 | 0.209 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | < 0.573 | | mg/kg dry | 0.573 | 0.0768 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 9.34 | | mg/kg dry | 1.15 | 0.208 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 15.8 | | mg/kg dry | 1.15 | 0.157 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 4,880 | | mg/kg dry | 4.59 | 2.08 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 100 | | mg/kg dry | 1.15 | 0.173 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 54.3 | | mg/kg dry | 28.7 | 6.44 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 7.13 | | mg/kg dry | 1.15 | 0.159 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 10.8 | | mg/kg dry | 1.72 | 0.798 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 46.3 | | mg/kg dry | 1.15 | 0.287 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 78.2 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424438 | |
| Total Organic Carbon | 597 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 23-Oct-14 | 23-Oct-14 | DJB | 1425146 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 23.8 | % Retained | | | | | 1 | ASTM D422 | 21-Oct-14 | 22-Oct-14 | EEM | 1424931 | |
| Fractional % Sieve #10 (4750-2000µm) | 7.80 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 17.6 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 26.5 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 16.9 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 1.70 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 5.50 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.200 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

DUP-5-Soil

SB98147-17

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 00:00

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|--------------------|-------------|--------------|-------------|------------|--------------------------------|------------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | <u>Initial weight: 15.05 g</u> | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 3.0 | | µg/kg dry | 3.0 | 2.5 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 67-64-1 | Acetone | < 30.5 | | µg/kg dry | 30.5 | 16.1 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 3.0 | | µg/kg dry | 3.0 | 2.0 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 3.0 | | µg/kg dry | 3.0 | 1.1 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 3.0 | | µg/kg dry | 3.0 | 2.1 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 3.0 | | µg/kg dry | 3.0 | 3.0 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 3.0 | | µg/kg dry | 3.0 | 2.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 3.0 | | µg/kg dry | 3.0 | 2.9 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 6.1 | | µg/kg dry | 6.1 | 6.0 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 30.5 | | µg/kg dry | 30.5 | 10.3 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 3.0 | | µg/kg dry | 3.0 | 2.5 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 3.0 | | µg/kg dry | 3.0 | 2.0 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 3.0 | | µg/kg dry | 3.0 | 2.2 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 6.1 | | µg/kg dry | 6.1 | 1.5 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 3.0 | | µg/kg dry | 3.0 | 1.5 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 3.0 | | µg/kg dry | 3.0 | 1.1 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 6.1 | | µg/kg dry | 6.1 | 2.6 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 3.0 | | µg/kg dry | 3.0 | 1.6 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 6.1 | | µg/kg dry | 6.1 | 6.0 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 3.0 | | µg/kg dry | 3.0 | 1.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 3.0 | | µg/kg dry | 3.0 | 1.6 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 6.1 | | µg/kg dry | 6.1 | 4.0 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 3.0 | | µg/kg dry | 3.0 | 1.1 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 3.0 | | µg/kg dry | 3.0 | 0.7 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 3.0 | | µg/kg dry | 3.0 | 1.7 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 3.0 | | µg/kg dry | 3.0 | 1.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 3.0 | | µg/kg dry | 3.0 | 2.2 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 3.0 | | µg/kg dry | 3.0 | 1.7 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 6.1 | | µg/kg dry | 6.1 | 2.2 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 3.0 | | µg/kg dry | 3.0 | 1.2 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 3.0 | | µg/kg dry | 3.0 | 1.6 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 3.0 | | µg/kg dry | 3.0 | 2.0 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 3.0 | | µg/kg dry | 3.0 | 1.0 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 3.0 | | µg/kg dry | 3.0 | 2.1 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 3.0 | | µg/kg dry | 3.0 | 1.4 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 3.0 | | µg/kg dry | 3.0 | 1.1 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 3.0 | | µg/kg dry | 3.0 | 1.9 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 3.0 | | µg/kg dry | 3.0 | 1.8 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 3.0 | | µg/kg dry | 3.0 | 0.8 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 3.0 | | µg/kg dry | 3.0 | 1.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 3.0 | | µg/kg dry | 3.0 | 1.0 | 1 | " | " | " | " | " | X |

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Sample Identification

DUP-5-Soil

SB98147-17

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

14-Oct-14 00:00

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 15.05 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 3.0 | | µg/kg dry | 3.0 | 1.1 | 1 | SW846 8260C | 17-Oct-14 | 18-Oct-14 | JEG | 1424512 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 30.5 | | µg/kg dry | 30.5 | 7.0 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 3.0 | | µg/kg dry | 3.0 | 2.7 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 3.0 | | µg/kg dry | 3.0 | 1.8 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 3.0 | | µg/kg dry | 3.0 | 1.6 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 30.5 | | µg/kg dry | 30.5 | 9.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 6.1 | | µg/kg dry | 6.1 | 1.8 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 3.0 | | µg/kg dry | 3.0 | 2.1 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 3.0 | | µg/kg dry | 3.0 | 1.2 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 3.0 | | µg/kg dry | 3.0 | 0.2 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 3.0 | | µg/kg dry | 3.0 | 1.8 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 3.0 | | µg/kg dry | 3.0 | 2.0 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 3.0 | | µg/kg dry | 3.0 | 2.1 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 3.0 | | µg/kg dry | 3.0 | 1.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 3.0 | | µg/kg dry | 3.0 | 2.2 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 3.0 | | µg/kg dry | 3.0 | 1.8 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 3.0 | | µg/kg dry | 3.0 | 0.7 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 3.0 | | µg/kg dry | 3.0 | 1.7 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 3.0 | | µg/kg dry | 3.0 | 1.2 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 3.0 | | µg/kg dry | 3.0 | 1.0 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 3.0 | | µg/kg dry | 3.0 | 2.1 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 3.0 | | µg/kg dry | 3.0 | 1.8 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 3.0 | | µg/kg dry | 3.0 | 1.9 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 3.0 | | µg/kg dry | 3.0 | 1.8 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 3.0 | | µg/kg dry | 3.0 | 2.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 6.1 | | µg/kg dry | 6.1 | 1.8 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 3.0 | | µg/kg dry | 3.0 | 1.9 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 6.1 | | µg/kg dry | 6.1 | 4.5 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 3.0 | | µg/kg dry | 3.0 | 2.8 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 3.0 | | µg/kg dry | 3.0 | 1.8 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 3.0 | | µg/kg dry | 3.0 | 0.9 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 3.0 | | µg/kg dry | 3.0 | 0.8 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 30.5 | | µg/kg dry | 30.5 | 18.2 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 61.0 | | µg/kg dry | 61.0 | 41.1 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 15.2 | | µg/kg dry | 15.2 | 7.5 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | 2,360 | | µg/kg dry | 1220 | 348 | 1 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 95 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 114 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 105 | | | 70-130 % | | | " | " | " | " | " | |

Total Metals by EPA 6000/7000 Series Methods*This laboratory report is not valid without an authorized signature on the cover page.*

Sample Identification

DUP-5-Soil
SB98147-17

Client Project #
08-14218G3

Matrix
Soil

Collection Date/Time
14-Oct-14 00:00

Received
15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.57 | | mg/kg dry | 1.57 | 0.557 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 20.7 | | mg/kg dry | 1.05 | 0.191 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | 0.706 | | mg/kg dry | 0.525 | 0.0703 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 8.27 | | mg/kg dry | 1.05 | 0.190 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 17.5 | | mg/kg dry | 1.05 | 0.144 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 7,700 | | mg/kg dry | 4.20 | 1.90 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 280 | | mg/kg dry | 1.05 | 0.158 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 62.9 | | mg/kg dry | 26.2 | 5.89 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 7.77 | | mg/kg dry | 1.05 | 0.146 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 6.42 | | mg/kg dry | 1.57 | 0.730 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 71.7 | | mg/kg dry | 1.05 | 0.262 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 82.8 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
| Total Organic Carbon | 334 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 23-Oct-14 | 23-Oct-14 | DJB | 1425146 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 14.5 | % Retained | | | | | 1 | ASTM D422 | 21-Oct-14 | 22-Oct-14 | EEM | 1424931 | |
| Fractional % Sieve #10 (4750-2000µm) | 14.4 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 31.5 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 24.6 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 10.6 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.900 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 3.30 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.200 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

DUP-4-Water

SB98147-18

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 00:00

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

DUP-4-Water

SB98147-18

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 00:00

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 100 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 107 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 113 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

DUP-5-Water

SB98147-19

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 00:00

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

DUP-5-Water

SB98147-19

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 00:00

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 108 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 113 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

TB-2-Water

SB98147-20

Client Project #

08-14218G3

Matrix

Trip Blank

Collection Date/Time

15-Oct-14 07:00

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

TB-2-Water

SB98147-20

Client Project #

08-14218G3

Matrix

Trip Blank

Collection Date/Time

15-Oct-14 07:00

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 109 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 110 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

TB-3-Water

SB98147-21

Client Project #

08-14218G3

Matrix

Trip Blank

Collection Date/Time

15-Oct-14 07:00

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

TB-3-Water

SB98147-21

Client Project #

08-14218G3

Matrix

Trip Blank

Collection Date/Time

15-Oct-14 07:00

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 109 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 110 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

BB-US-SED-01

SB98147-22

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:00

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.08 | | mg/kg dry | 2.08 | 0.735 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 35.0 | | mg/kg dry | 1.38 | 0.252 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | < 0.692 | | mg/kg dry | 0.692 | 0.0928 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 11.7 | | mg/kg dry | 1.38 | 0.251 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 11.2 | | mg/kg dry | 1.38 | 0.190 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 10,500 | | mg/kg dry | 5.54 | 2.51 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 130 | | mg/kg dry | 1.38 | 0.209 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 80.3 | | mg/kg dry | 34.6 | 7.77 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 11.6 | | mg/kg dry | 1.38 | 0.192 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 8.56 | | mg/kg dry | 2.08 | 0.964 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 45.1 | | mg/kg dry | 1.38 | 0.346 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 62.8 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
| Total Organic Carbon | 1,700 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 23-Oct-14 | 23-Oct-14 | DJB | 1425146 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 0.200 | % Retained | | | | | 1 | ASTM D422 | 21-Oct-14 | 22-Oct-14 | EEM | 1424931 | |
| Fractional % Sieve #10 (4750-2000µm) | 0.700 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 6.00 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 30.9 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 45.6 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.400 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 15.5 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.600 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-US-SEDV-01

SB98147-23

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:00

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|--|-----------------|------|-----------|------|-------------------------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| <u>Re-analysis of Volatile Organic Compounds</u> by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | Initial weight: 14.27 g | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.8 | | µg/kg dry | 5.8 | 4.7 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 67-64-1 | Acetone | < 57.6 | | µg/kg dry | 57.6 | 30.4 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.8 | | µg/kg dry | 5.8 | 3.9 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.8 | | µg/kg dry | 5.8 | 2.1 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.8 | | µg/kg dry | 5.8 | 3.9 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.8 | | µg/kg dry | 5.8 | 5.7 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.8 | | µg/kg dry | 5.8 | 4.5 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.8 | | µg/kg dry | 5.8 | 5.5 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 11.5 | | µg/kg dry | 11.5 | 11.4 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 57.6 | | µg/kg dry | 57.6 | 19.4 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.8 | | µg/kg dry | 5.8 | 4.7 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.8 | | µg/kg dry | 5.8 | 3.7 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.8 | | µg/kg dry | 5.8 | 4.1 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 11.5 | | µg/kg dry | 11.5 | 2.9 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.8 | | µg/kg dry | 5.8 | 2.8 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.8 | | µg/kg dry | 5.8 | 2.0 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 11.5 | | µg/kg dry | 11.5 | 5.0 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.8 | | µg/kg dry | 5.8 | 3.0 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 11.5 | | µg/kg dry | 11.5 | 11.3 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.8 | | µg/kg dry | 5.8 | 2.6 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.8 | | µg/kg dry | 5.8 | 3.0 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 11.5 | | µg/kg dry | 11.5 | 7.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.8 | | µg/kg dry | 5.8 | 2.1 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.8 | | µg/kg dry | 5.8 | 1.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.8 | | µg/kg dry | 5.8 | 3.2 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.8 | | µg/kg dry | 5.8 | 2.7 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.8 | | µg/kg dry | 5.8 | 4.1 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.8 | | µg/kg dry | 5.8 | 3.2 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 11.5 | | µg/kg dry | 11.5 | 4.2 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.8 | | µg/kg dry | 5.8 | 2.2 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.8 | | µg/kg dry | 5.8 | 2.9 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.8 | | µg/kg dry | 5.8 | 3.8 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.8 | | µg/kg dry | 5.8 | 2.0 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.8 | | µg/kg dry | 5.8 | 4.0 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.8 | | µg/kg dry | 5.8 | 2.6 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.8 | | µg/kg dry | 5.8 | 2.0 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.8 | | µg/kg dry | 5.8 | 3.6 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.8 | | µg/kg dry | 5.8 | 3.5 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.8 | | µg/kg dry | 5.8 | 1.5 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.8 | | µg/kg dry | 5.8 | 2.9 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SEDV-01

SB98147-23

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:00

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds

by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 14.27 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 100-41-4 | Ethylbenzene | < 5.8 | | µg/kg dry | 5.8 | 1.9 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 87-68-3 | Hexachlorobutadiene | < 5.8 | | µg/kg dry | 5.8 | 2.1 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 57.6 | | µg/kg dry | 57.6 | 13.3 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.8 | | µg/kg dry | 5.8 | 5.0 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.8 | | µg/kg dry | 5.8 | 3.4 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 5.8 | | µg/kg dry | 5.8 | 3.0 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 57.6 | | µg/kg dry | 57.6 | 17.9 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 11.5 | | µg/kg dry | 11.5 | 3.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.8 | | µg/kg dry | 5.8 | 3.9 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.8 | | µg/kg dry | 5.8 | 2.3 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.8 | | µg/kg dry | 5.8 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.8 | | µg/kg dry | 5.8 | 3.5 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.8 | | µg/kg dry | 5.8 | 3.8 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.8 | | µg/kg dry | 5.8 | 3.9 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.8 | | µg/kg dry | 5.8 | 2.4 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.8 | | µg/kg dry | 5.8 | 4.1 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.8 | | µg/kg dry | 5.8 | 3.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.8 | | µg/kg dry | 5.8 | 1.3 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.8 | | µg/kg dry | 5.8 | 3.2 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.8 | | µg/kg dry | 5.8 | 2.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.8 | | µg/kg dry | 5.8 | 1.8 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.8 | | µg/kg dry | 5.8 | 3.9 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 5.8 | | µg/kg dry | 5.8 | 3.5 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.8 | | µg/kg dry | 5.8 | 3.5 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.8 | | µg/kg dry | 5.8 | 3.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.8 | | µg/kg dry | 5.8 | 3.8 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 11.5 | | µg/kg dry | 11.5 | 3.3 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.8 | | µg/kg dry | 5.8 | 3.6 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 11.5 | | µg/kg dry | 11.5 | 8.5 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.8 | | µg/kg dry | 5.8 | 5.2 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.8 | | µg/kg dry | 5.8 | 3.4 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.8 | | µg/kg dry | 5.8 | 1.7 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.8 | | µg/kg dry | 5.8 | 1.6 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 57.6 | | µg/kg dry | 57.6 | 34.3 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 115 | | µg/kg dry | 115 | 77.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 28.8 | | µg/kg dry | 28.8 | 14.2 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2300 | | µg/kg dry | 2300 | 657 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 112 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 104 | | | 70-130 % | | | " | " | " | " | " | |

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| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|------------------------------|------------|--------|------|-------|-------------------------|---------------|-----------------------------|-----------------|-----------|-----------|---------|---------|-------|
| BB-US-SEDV-01 | | | | | 08-14218G3 | Soil | 15-Oct-14 08:00 | 15-Oct-14 | | | | | |
| SB98147-23 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 62.8 | SOLe | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |

Sample Identification

BB-US-SWV-01

SB98147-24

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 08:00

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SWV-01

SB98147-24

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 08:00

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 110 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 105 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-US-SED-02

SB98147-25

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:10

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.91 | | mg/kg dry | 1.91 | 0.676 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 17.7 | | mg/kg dry | 1.27 | 0.232 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | < 0.637 | | mg/kg dry | 0.637 | 0.0853 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 8.94 | | mg/kg dry | 1.27 | 0.230 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 7.15 | | mg/kg dry | 1.27 | 0.174 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 7,150 | | mg/kg dry | 5.09 | 2.31 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 217 | | mg/kg dry | 1.27 | 0.192 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 47.4 | | mg/kg dry | 31.8 | 7.15 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 8.10 | | mg/kg dry | 1.27 | 0.177 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 3.99 | | mg/kg dry | 1.91 | 0.886 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 23.6 | | mg/kg dry | 1.27 | 0.318 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 68.9 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
| Total Organic Carbon | 1,910 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 23-Oct-14 | 23-Oct-14 | DJB | 1425146 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 32.2 | % Retained | | | | | 1 | ASTM D422 | 21-Oct-14 | 22-Oct-14 | EEM | 1424931 | |
| Fractional % Sieve #10 (4750-2000µm) | 11.2 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 14.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 23.9 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 13.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 1.90 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 2.00 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.100 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-US-SEDV-02

SB98147-26

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:10

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| <u>Re-analysis of Volatile Organic Compounds</u> | | | | | | | | | | | | | |
| <u>by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | | | | | | | |
| Initial weight: 13.44 g | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.0 | | µg/kg dry | 5.0 | 4.0 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 67-64-1 | Acetone | < 49.5 | | µg/kg dry | 49.5 | 26.1 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.0 | | µg/kg dry | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.0 | | µg/kg dry | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.0 | | µg/kg dry | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.0 | | µg/kg dry | 5.0 | 4.9 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.0 | | µg/kg dry | 5.0 | 3.9 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.0 | | µg/kg dry | 5.0 | 4.7 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 9.9 | | µg/kg dry | 9.9 | 9.8 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 49.5 | | µg/kg dry | 49.5 | 16.7 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.0 | | µg/kg dry | 5.0 | 4.1 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.0 | | µg/kg dry | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.0 | | µg/kg dry | 5.0 | 3.5 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 9.9 | | µg/kg dry | 9.9 | 2.5 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.0 | | µg/kg dry | 5.0 | 2.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 9.9 | | µg/kg dry | 9.9 | 4.3 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.0 | | µg/kg dry | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 9.9 | | µg/kg dry | 9.9 | 9.7 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.0 | | µg/kg dry | 5.0 | 2.2 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.0 | | µg/kg dry | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 9.9 | | µg/kg dry | 9.9 | 6.4 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.0 | | µg/kg dry | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.0 | | µg/kg dry | 5.0 | 1.1 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.0 | | µg/kg dry | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 2.3 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 3.5 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 2.7 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 9.9 | | µg/kg dry | 9.9 | 3.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.0 | | µg/kg dry | 5.0 | 1.9 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.0 | | µg/kg dry | 5.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.0 | | µg/kg dry | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.0 | | µg/kg dry | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.0 | | µg/kg dry | 5.0 | 2.2 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.0 | | µg/kg dry | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.0 | | µg/kg dry | 5.0 | 3.1 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.0 | | µg/kg dry | 5.0 | 1.3 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.0 | | µg/kg dry | 5.0 | 2.5 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SEDV-02

SB98147-26

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:10

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds

by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 13.44 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 100-41-4 | Ethylbenzene | < 5.0 | | µg/kg dry | 5.0 | 1.7 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 87-68-3 | Hexachlorobutadiene | < 5.0 | | µg/kg dry | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 49.5 | | µg/kg dry | 49.5 | 11.4 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.0 | | µg/kg dry | 5.0 | 4.3 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.0 | | µg/kg dry | 5.0 | 2.9 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 5.0 | | µg/kg dry | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 49.5 | | µg/kg dry | 49.5 | 15.4 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 9.9 | | µg/kg dry | 9.9 | 3.0 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.0 | | µg/kg dry | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.0 | | µg/kg dry | 5.0 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.0 | | µg/kg dry | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.0 | | µg/kg dry | 5.0 | 2.1 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 3.5 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 2.9 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.0 | | µg/kg dry | 5.0 | 1.2 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.0 | | µg/kg dry | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.0 | | µg/kg dry | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.0 | | µg/kg dry | 5.0 | 1.6 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.0 | | µg/kg dry | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.0 | | µg/kg dry | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.0 | | µg/kg dry | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 9.9 | | µg/kg dry | 9.9 | 2.8 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.0 | | µg/kg dry | 5.0 | 3.1 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 9.9 | | µg/kg dry | 9.9 | 7.3 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.0 | | µg/kg dry | 5.0 | 4.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.0 | | µg/kg dry | 5.0 | 2.9 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.0 | | µg/kg dry | 5.0 | 1.5 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.0 | | µg/kg dry | 5.0 | 1.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 49.5 | | µg/kg dry | 49.5 | 29.5 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 99.0 | | µg/kg dry | 99.0 | 66.8 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 24.8 | | µg/kg dry | 24.8 | 12.2 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1980 | | µg/kg dry | 1980 | 565 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 112 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 104 | | | 70-130 % | | | " | " | " | " | " | |

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| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|-------------------------------------|-------------------|---------------|-------------|--------------|-------------------------|---------------|-----------------------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| BB-US-SEDV-02 | | | | | 08-14218G3 | Soil | 15-Oct-14 08:10 | 15-Oct-14 | | | | | |
| SB98147-26 | | | | | | | | | | | | | |
| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 68.9 | SOLf | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |

Sample Identification

BB-US-SWV-02

SB98147-27

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 08:10

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SWV-02

SB98147-27

Client Project

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 08:10

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 108 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 110 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

BB-US-SED-03

SB98147-28

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:25

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.18 | | mg/kg dry | 2.18 | 0.771 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 21.4 | | mg/kg dry | 1.45 | 0.264 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | < 0.726 | | mg/kg dry | 0.726 | 0.0973 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 8.17 | | mg/kg dry | 1.45 | 0.263 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 8.77 | | mg/kg dry | 1.45 | 0.199 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 8,200 | | mg/kg dry | 5.81 | 2.63 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 178 | | mg/kg dry | 1.45 | 0.219 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 88.1 | | mg/kg dry | 36.3 | 8.15 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 9.08 | | mg/kg dry | 1.45 | 0.202 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 4.90 | | mg/kg dry | 2.18 | 1.01 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 25.2 | | mg/kg dry | 1.45 | 0.363 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 67.8 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
| Total Organic Carbon | 473 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 23-Oct-14 | 23-Oct-14 | DJB | 1425146 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|--------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 24.0 | % Retained | | | | | 1 | ASTM D422 | 22-Oct-14 | 23-Oct-14 | EEM | 1425083 | |
| Fractional % Sieve #10 (4750-2000µm) | 14.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 16.2 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 24.5 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 15.2 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 4.21 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 1.03 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.0383 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-US-SEDV-03

SB98147-29

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:25

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| <u>Re-analysis of Volatile Organic Compounds</u> | | | | | | | | | | | | | |
| <u>by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 6.1 | | µg/kg dry | 6.1 | 5.0 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 67-64-1 | Acetone | < 61.4 | | µg/kg dry | 61.4 | 32.4 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 6.1 | | µg/kg dry | 6.1 | 4.1 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 6.1 | | µg/kg dry | 6.1 | 2.2 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 6.1 | | µg/kg dry | 6.1 | 4.1 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 6.1 | | µg/kg dry | 6.1 | 6.1 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 6.1 | | µg/kg dry | 6.1 | 4.8 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 6.1 | | µg/kg dry | 6.1 | 5.9 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 12.3 | | µg/kg dry | 12.3 | 12.1 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 61.4 | | µg/kg dry | 61.4 | 20.7 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 6.1 | | µg/kg dry | 6.1 | 5.1 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 6.1 | | µg/kg dry | 6.1 | 4.0 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 6.1 | | µg/kg dry | 6.1 | 4.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 12.3 | | µg/kg dry | 12.3 | 3.1 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 6.1 | | µg/kg dry | 6.1 | 3.0 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 6.1 | | µg/kg dry | 6.1 | 2.1 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 12.3 | | µg/kg dry | 12.3 | 5.3 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 6.1 | | µg/kg dry | 6.1 | 3.2 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 12.3 | | µg/kg dry | 12.3 | 12.0 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 6.1 | | µg/kg dry | 6.1 | 2.8 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 6.1 | | µg/kg dry | 6.1 | 3.2 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 12.3 | | µg/kg dry | 12.3 | 8.0 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 6.1 | | µg/kg dry | 6.1 | 2.2 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 6.1 | | µg/kg dry | 6.1 | 1.4 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 6.1 | | µg/kg dry | 6.1 | 3.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 6.1 | | µg/kg dry | 6.1 | 2.9 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 6.1 | | µg/kg dry | 6.1 | 4.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 6.1 | | µg/kg dry | 6.1 | 3.4 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 12.3 | | µg/kg dry | 12.3 | 4.5 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 6.1 | | µg/kg dry | 6.1 | 2.4 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 6.1 | | µg/kg dry | 6.1 | 3.1 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 6.1 | | µg/kg dry | 6.1 | 4.1 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 6.1 | | µg/kg dry | 6.1 | 2.1 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 6.1 | | µg/kg dry | 6.1 | 4.2 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 6.1 | | µg/kg dry | 6.1 | 2.8 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 6.1 | | µg/kg dry | 6.1 | 2.1 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 6.1 | | µg/kg dry | 6.1 | 3.9 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 6.1 | | µg/kg dry | 6.1 | 3.7 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 6.1 | | µg/kg dry | 6.1 | 1.6 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 6.1 | | µg/kg dry | 6.1 | 3.1 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SEDV-03

SB98147-29

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:25

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds

by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 9.77 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 100-41-4 | Ethylbenzene | < 6.1 | | µg/kg dry | 6.1 | 2.1 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 87-68-3 | Hexachlorobutadiene | < 6.1 | | µg/kg dry | 6.1 | 2.2 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 61.4 | | µg/kg dry | 61.4 | 14.1 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 6.1 | | µg/kg dry | 6.1 | 5.4 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 6.1 | | µg/kg dry | 6.1 | 3.6 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 6.1 | | µg/kg dry | 6.1 | 3.2 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 61.4 | | µg/kg dry | 61.4 | 19.1 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 12.3 | | µg/kg dry | 12.3 | 3.7 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 6.1 | | µg/kg dry | 6.1 | 4.2 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 6.1 | | µg/kg dry | 6.1 | 2.5 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 6.1 | | µg/kg dry | 6.1 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 6.1 | | µg/kg dry | 6.1 | 3.7 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 6.1 | | µg/kg dry | 6.1 | 4.0 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 6.1 | | µg/kg dry | 6.1 | 4.2 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 6.1 | | µg/kg dry | 6.1 | 2.6 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 6.1 | | µg/kg dry | 6.1 | 4.4 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 6.1 | | µg/kg dry | 6.1 | 3.6 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 6.1 | | µg/kg dry | 6.1 | 1.4 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 6.1 | | µg/kg dry | 6.1 | 3.5 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 6.1 | | µg/kg dry | 6.1 | 2.5 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 6.1 | | µg/kg dry | 6.1 | 2.0 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 6.1 | | µg/kg dry | 6.1 | 4.2 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 6.1 | | µg/kg dry | 6.1 | 3.7 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 6.1 | | µg/kg dry | 6.1 | 3.8 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 6.1 | | µg/kg dry | 6.1 | 3.7 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 6.1 | | µg/kg dry | 6.1 | 4.1 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 12.3 | | µg/kg dry | 12.3 | 3.5 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 6.1 | | µg/kg dry | 6.1 | 3.9 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 12.3 | | µg/kg dry | 12.3 | 9.0 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 6.1 | | µg/kg dry | 6.1 | 5.6 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 6.1 | | µg/kg dry | 6.1 | 3.6 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 6.1 | | µg/kg dry | 6.1 | 1.8 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 6.1 | | µg/kg dry | 6.1 | 1.7 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 61.4 | | µg/kg dry | 61.4 | 36.6 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 123 | | µg/kg dry | 123 | 82.8 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 30.7 | | µg/kg dry | 30.7 | 15.1 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2460 | | µg/kg dry | 2460 | 701 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 112 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 104 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-US-SEDV-03

SB98147-29

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:25

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------|------|------|---|--|--|--|---|---------------|-----------|-----------|----|---------|--|
| % Solids | 67.8 | SOLg | % | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
|----------|------|------|---|--|--|--|---|---------------|-----------|-----------|----|---------|--|

Sample Identification

BB-US-SWV-03

SB98147-30

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 08:25

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SWV-03

SB98147-30

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 08:25

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 109 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 113 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-US-SED-04

SB98147-31

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:40

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.94 | | mg/kg dry | 1.94 | 0.686 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 25.7 | | mg/kg dry | 1.29 | 0.235 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | < 0.646 | | mg/kg dry | 0.646 | 0.0866 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 7.25 | | mg/kg dry | 1.29 | 0.234 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 10.5 | | mg/kg dry | 1.29 | 0.177 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 10,500 | | mg/kg dry | 5.17 | 2.34 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 330 | | mg/kg dry | 1.29 | 0.195 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 81.6 | | mg/kg dry | 32.3 | 7.26 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 8.26 | | mg/kg dry | 1.29 | 0.180 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 5.55 | | mg/kg dry | 1.94 | 0.900 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 29.9 | | mg/kg dry | 1.29 | 0.323 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 70.1 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
| Total Organic Carbon | 929 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 32.0 | % Retained | | | | | 1 | ASTM D422 | 22-Oct-14 | 23-Oct-14 | EEM | 1425083 | |
| Fractional % Sieve #10 (4750-2000µm) | 6.16 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 7.05 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 28.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 19.9 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 4.41 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 1.60 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.178 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-US-SEDV-04

SB98147-32

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:40

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|--|-----------------|------|-----------|------|-------------------------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| <u>Re-analysis of Volatile Organic Compounds</u> by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | Initial weight: 10.48 g | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.5 | | µg/kg dry | 5.5 | 4.5 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 67-64-1 | Acetone | < 55.4 | | µg/kg dry | 55.4 | 29.2 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.5 | | µg/kg dry | 5.5 | 3.7 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.5 | | µg/kg dry | 5.5 | 2.0 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.5 | | µg/kg dry | 5.5 | 3.7 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.5 | | µg/kg dry | 5.5 | 5.5 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.5 | | µg/kg dry | 5.5 | 4.3 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.5 | | µg/kg dry | 5.5 | 5.3 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 11.1 | | µg/kg dry | 11.1 | 10.9 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 55.4 | | µg/kg dry | 55.4 | 18.7 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.5 | | µg/kg dry | 5.5 | 4.6 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.5 | | µg/kg dry | 5.5 | 3.6 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.5 | | µg/kg dry | 5.5 | 3.9 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 11.1 | | µg/kg dry | 11.1 | 2.8 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.5 | | µg/kg dry | 5.5 | 2.7 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.5 | | µg/kg dry | 5.5 | 1.9 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 11.1 | | µg/kg dry | 11.1 | 4.8 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.5 | | µg/kg dry | 5.5 | 2.9 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 11.1 | | µg/kg dry | 11.1 | 10.8 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.5 | | µg/kg dry | 5.5 | 2.5 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.5 | | µg/kg dry | 5.5 | 2.9 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 11.1 | | µg/kg dry | 11.1 | 7.2 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.5 | | µg/kg dry | 5.5 | 2.0 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.5 | | µg/kg dry | 5.5 | 1.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.5 | | µg/kg dry | 5.5 | 3.1 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.5 | | µg/kg dry | 5.5 | 2.6 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.5 | | µg/kg dry | 5.5 | 3.9 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.5 | | µg/kg dry | 5.5 | 3.1 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 11.1 | | µg/kg dry | 11.1 | 4.0 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.5 | | µg/kg dry | 5.5 | 2.2 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.5 | | µg/kg dry | 5.5 | 2.8 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.5 | | µg/kg dry | 5.5 | 3.7 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.5 | | µg/kg dry | 5.5 | 1.9 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.5 | | µg/kg dry | 5.5 | 3.8 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.5 | | µg/kg dry | 5.5 | 2.5 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.5 | | µg/kg dry | 5.5 | 1.9 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.5 | | µg/kg dry | 5.5 | 3.5 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.5 | | µg/kg dry | 5.5 | 3.3 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.5 | | µg/kg dry | 5.5 | 1.5 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.5 | | µg/kg dry | 5.5 | 2.8 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SEDV-04

SB98147-32

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:40

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds

by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 10.48 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 100-41-4 | Ethylbenzene | < 5.5 | | µg/kg dry | 5.5 | 1.9 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 87-68-3 | Hexachlorobutadiene | < 5.5 | | µg/kg dry | 5.5 | 2.0 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 55.4 | | µg/kg dry | 55.4 | 12.7 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.5 | | µg/kg dry | 5.5 | 4.8 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.5 | | µg/kg dry | 5.5 | 3.3 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 5.5 | | µg/kg dry | 5.5 | 2.9 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 55.4 | | µg/kg dry | 55.4 | 17.2 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 11.1 | | µg/kg dry | 11.1 | 3.3 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.5 | | µg/kg dry | 5.5 | 3.8 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.5 | | µg/kg dry | 5.5 | 2.2 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.5 | | µg/kg dry | 5.5 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.5 | | µg/kg dry | 5.5 | 3.3 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.5 | | µg/kg dry | 5.5 | 3.6 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.5 | | µg/kg dry | 5.5 | 3.8 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.5 | | µg/kg dry | 5.5 | 2.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.5 | | µg/kg dry | 5.5 | 3.9 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.5 | | µg/kg dry | 5.5 | 3.2 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.5 | | µg/kg dry | 5.5 | 1.3 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.5 | | µg/kg dry | 5.5 | 3.1 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.5 | | µg/kg dry | 5.5 | 2.2 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.5 | | µg/kg dry | 5.5 | 1.8 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.5 | | µg/kg dry | 5.5 | 3.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 5.5 | | µg/kg dry | 5.5 | 3.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.5 | | µg/kg dry | 5.5 | 3.4 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.5 | | µg/kg dry | 5.5 | 3.3 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.5 | | µg/kg dry | 5.5 | 3.7 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 11.1 | | µg/kg dry | 11.1 | 3.2 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.5 | | µg/kg dry | 5.5 | 3.5 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 11.1 | | µg/kg dry | 11.1 | 8.1 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.5 | | µg/kg dry | 5.5 | 5.0 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.5 | | µg/kg dry | 5.5 | 3.2 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.5 | | µg/kg dry | 5.5 | 1.6 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.5 | | µg/kg dry | 5.5 | 1.5 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 55.4 | | µg/kg dry | 55.4 | 33.0 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 111 | | µg/kg dry | 111 | 74.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 27.7 | | µg/kg dry | 27.7 | 13.6 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2210 | | µg/kg dry | 2210 | 632 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 113 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 106 | | | 70-130 % | | | " | " | " | " | " | |

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| <u>Sample Identification</u> | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | | |
|-------------------------------------|-------------------|---------------|-------------|-------------------------|---------------|-----------------------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| BB-US-SEDV-04 | | | | 08-14218G3 | Soil | 15-Oct-14 08:40 | 15-Oct-14 | | | | | | |
| SB98147-32 | | | | | | | | | | | | | |
| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 70.1 | SOLh | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |

Sample Identification

BB-US-SWV-04

SB98147-33

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 08:40

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SWV-04

SB98147-33

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 08:40

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 103 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 110 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 115 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-US-SED-05

SB98147-34

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:50

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.91 | | mg/kg dry | 1.91 | 0.676 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 30.1 | | mg/kg dry | 1.27 | 0.232 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | < 0.636 | | mg/kg dry | 0.636 | 0.0852 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 10.4 | | mg/kg dry | 1.27 | 0.230 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 19.8 | | mg/kg dry | 1.27 | 0.174 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 14,500 | | mg/kg dry | 5.09 | 2.31 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 211 | | mg/kg dry | 1.27 | 0.192 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 150 | | mg/kg dry | 31.8 | 7.14 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 7.70 | | mg/kg dry | 1.27 | 0.177 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 8.64 | | mg/kg dry | 1.91 | 0.885 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 54.9 | | mg/kg dry | 1.27 | 0.318 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 71.3 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
| Total Organic Carbon | 3,370 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 11.5 | % Retained | | | | | 1 | ASTM D422 | 22-Oct-14 | 23-Oct-14 | EEM | 1425083 | |
| Fractional % Sieve #10 (4750-2000µm) | 6.98 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 11.7 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 27.1 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 25.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 3.91 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 11.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 1.37 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-US-SEDV-05

SB98147-35

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:50

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|-------------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Re-analysis of Volatile Organic Compounds | | | | | | | | | | | | | |
| by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| | | | | | | | | Initial weight: 10.77 g | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.3 | | µg/kg dry | 5.3 | 4.3 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 67-64-1 | Acetone | < 52.7 | | µg/kg dry | 52.7 | 27.8 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.3 | | µg/kg dry | 5.3 | 3.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.3 | | µg/kg dry | 5.3 | 5.2 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.3 | | µg/kg dry | 5.3 | 4.1 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.3 | | µg/kg dry | 5.3 | 5.1 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.5 | | µg/kg dry | 10.5 | 10.4 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 52.7 | | µg/kg dry | 52.7 | 17.8 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.3 | | µg/kg dry | 5.3 | 4.3 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.3 | | µg/kg dry | 5.3 | 3.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.3 | | µg/kg dry | 5.3 | 3.8 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.5 | | µg/kg dry | 10.5 | 2.6 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.3 | | µg/kg dry | 5.3 | 2.6 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 1.8 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.5 | | µg/kg dry | 10.5 | 4.6 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.3 | | µg/kg dry | 5.3 | 2.7 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.5 | | µg/kg dry | 10.5 | 10.3 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.3 | | µg/kg dry | 5.3 | 2.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.3 | | µg/kg dry | 5.3 | 2.8 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.5 | | µg/kg dry | 10.5 | 6.9 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.3 | | µg/kg dry | 5.3 | 1.2 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.3 | | µg/kg dry | 5.3 | 2.9 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 2.5 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.7 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 2.9 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.5 | | µg/kg dry | 10.5 | 3.8 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.3 | | µg/kg dry | 5.3 | 2.1 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.3 | | µg/kg dry | 5.3 | 2.7 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.3 | | µg/kg dry | 5.3 | 3.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.3 | | µg/kg dry | 5.3 | 1.8 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.3 | | µg/kg dry | 5.3 | 2.4 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.3 | | µg/kg dry | 5.3 | 1.8 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.3 | | µg/kg dry | 5.3 | 3.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.3 | | µg/kg dry | 5.3 | 1.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.3 | | µg/kg dry | 5.3 | 2.7 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SEDV-05

SB98147-35

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:50

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds

by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 10.77 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 100-41-4 | Ethylbenzene | < 5.3 | | µg/kg dry | 5.3 | 1.8 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424671 | X |
| 87-68-3 | Hexachlorobutadiene | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 52.7 | | µg/kg dry | 52.7 | 12.1 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.3 | | µg/kg dry | 5.3 | 4.6 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.3 | | µg/kg dry | 5.3 | 3.1 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 5.3 | | µg/kg dry | 5.3 | 2.8 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 52.7 | | µg/kg dry | 52.7 | 16.4 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 10.5 | | µg/kg dry | 10.5 | 3.2 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.3 | | µg/kg dry | 5.3 | 2.1 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.3 | | µg/kg dry | 5.3 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.3 | | µg/kg dry | 5.3 | 3.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.3 | | µg/kg dry | 5.3 | 2.2 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.7 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.1 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 1.2 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.3 | | µg/kg dry | 5.3 | 3.0 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.3 | | µg/kg dry | 5.3 | 2.1 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.3 | | µg/kg dry | 5.3 | 1.7 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.3 | | µg/kg dry | 5.3 | 3.5 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.5 | | µg/kg dry | 10.5 | 3.0 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.3 | | µg/kg dry | 5.3 | 3.3 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.5 | | µg/kg dry | 10.5 | 7.7 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.3 | | µg/kg dry | 5.3 | 4.8 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.3 | | µg/kg dry | 5.3 | 3.1 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.3 | | µg/kg dry | 5.3 | 1.6 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.3 | | µg/kg dry | 5.3 | 1.4 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 52.7 | | µg/kg dry | 52.7 | 31.4 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 105 | | µg/kg dry | 105 | 71.1 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 26.4 | | µg/kg dry | 26.4 | 13.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2110 | | µg/kg dry | 2110 | 602 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 114 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 105 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-US-SEDV-05

SB98147-35

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 08:50

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------|------|------|---|--|--|--|---|---------------|-----------|-----------|----|---------|--|
| % Solids | 71.3 | SOLi | % | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
|----------|------|------|---|--|--|--|---|---------------|-----------|-----------|----|---------|--|

Sample Identification

BB-US-SWV-05

SB98147-36

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 08:50

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SWV-05

SB98147-36

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 08:50

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 110 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 119 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-US-SED-06

SB98147-37

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 09:05

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.97 | | mg/kg dry | 1.97 | 0.697 | 1 | SW846 6010C | 22-Oct-14 | 25-Oct-14 | edt | 1424869 | X |
| 7440-39-3 | Barium | 24.2 | | mg/kg dry | 1.31 | 0.239 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-43-9 | Cadmium | < 0.656 | | mg/kg dry | 0.656 | 0.0879 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-47-3 | Chromium | 5.03 | | mg/kg dry | 1.31 | 0.238 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 6.82 | | mg/kg dry | 1.31 | 0.180 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 6,820 | | mg/kg dry | 5.25 | 2.38 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7439-96-5 | Manganese | 419 | | mg/kg dry | 1.31 | 0.198 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7440-23-5 | Sodium | 66.1 | | mg/kg dry | 32.8 | 7.37 | 1 | " | " | 27-Oct-14 | " | 1425332 | X |
| 7440-02-0 | Nickel | 7.65 | | mg/kg dry | 1.31 | 0.182 | 1 | " | " | 25-Oct-14 | " | 1424869 | X |
| 7439-92-1 | Lead | 4.11 | | mg/kg dry | 1.97 | 0.913 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 27.6 | | mg/kg dry | 1.31 | 0.328 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 74.4 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
| Total Organic Carbon | 614 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|---------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 1.90 | % Retained | | | | | 1 | ASTM D422 | 22-Oct-14 | 23-Oct-14 | EEM | 1425083 | |
| Fractional % Sieve #10 (4750-2000µm) | 3.23 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 27.2 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 48.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 15.7 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 2.39 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 0.840 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | -0.0884 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-US-SEDV-06

SB98147-38

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 09:05

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|------------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| | | | | | | | | Initial weight: 9.52 g | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.2 | | µg/kg dry | 5.2 | 4.3 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 52.5 | | µg/kg dry | 52.5 | 27.7 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.2 | | µg/kg dry | 5.2 | 1.9 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.2 | | µg/kg dry | 5.2 | 5.2 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.2 | | µg/kg dry | 5.2 | 4.1 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.2 | | µg/kg dry | 5.2 | 5.0 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.5 | | µg/kg dry | 10.5 | 10.3 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 52.5 | | µg/kg dry | 52.5 | 17.7 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.2 | | µg/kg dry | 5.2 | 4.3 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.2 | | µg/kg dry | 5.2 | 3.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.2 | | µg/kg dry | 5.2 | 3.7 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.5 | | µg/kg dry | 10.5 | 2.6 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.2 | | µg/kg dry | 5.2 | 2.6 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 1.8 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.5 | | µg/kg dry | 10.5 | 4.5 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.2 | | µg/kg dry | 5.2 | 2.7 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.5 | | µg/kg dry | 10.5 | 10.3 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.2 | | µg/kg dry | 5.2 | 2.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.2 | | µg/kg dry | 5.2 | 2.8 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.5 | | µg/kg dry | 10.5 | 6.8 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.2 | | µg/kg dry | 5.2 | 1.9 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.2 | | µg/kg dry | 5.2 | 1.2 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.2 | | µg/kg dry | 5.2 | 2.9 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 2.5 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 3.7 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 2.9 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.5 | | µg/kg dry | 10.5 | 3.8 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.2 | | µg/kg dry | 5.2 | 2.0 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.2 | | µg/kg dry | 5.2 | 2.7 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.2 | | µg/kg dry | 5.2 | 1.8 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.2 | | µg/kg dry | 5.2 | 3.6 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.2 | | µg/kg dry | 5.2 | 2.4 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.2 | | µg/kg dry | 5.2 | 1.8 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.2 | | µg/kg dry | 5.2 | 3.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.2 | | µg/kg dry | 5.2 | 3.2 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.2 | | µg/kg dry | 5.2 | 1.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.2 | | µg/kg dry | 5.2 | 2.7 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 5.2 | | µg/kg dry | 5.2 | 1.8 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SEDV-06

SB98147-38

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 09:05

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 9.52 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 5.2 | | µg/kg dry | 5.2 | 1.9 | 1 | SW846 8260C | 20-Oct-14 | 20-Oct-14 | JEG | 1424672 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 52.5 | | µg/kg dry | 52.5 | 12.1 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.2 | | µg/kg dry | 5.2 | 4.6 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 5.2 | | µg/kg dry | 5.2 | 2.8 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 52.5 | | µg/kg dry | 52.5 | 16.3 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 10.5 | | µg/kg dry | 10.5 | 3.2 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.2 | | µg/kg dry | 5.2 | 3.6 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.2 | | µg/kg dry | 5.2 | 2.1 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.2 | | µg/kg dry | 5.2 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.2 | | µg/kg dry | 5.2 | 3.2 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.2 | | µg/kg dry | 5.2 | 3.4 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.2 | | µg/kg dry | 5.2 | 3.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.2 | | µg/kg dry | 5.2 | 2.2 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 3.7 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 1.2 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.2 | | µg/kg dry | 5.2 | 3.0 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.2 | | µg/kg dry | 5.2 | 2.1 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.2 | | µg/kg dry | 5.2 | 1.7 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.2 | | µg/kg dry | 5.2 | 3.6 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 5.2 | | µg/kg dry | 5.2 | 3.2 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.2 | | µg/kg dry | 5.2 | 3.2 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.5 | | µg/kg dry | 10.5 | 3.0 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.2 | | µg/kg dry | 5.2 | 3.3 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.5 | | µg/kg dry | 10.5 | 7.7 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.2 | | µg/kg dry | 5.2 | 4.7 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.2 | | µg/kg dry | 5.2 | 1.5 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.2 | | µg/kg dry | 5.2 | 1.4 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 52.5 | | µg/kg dry | 52.5 | 31.3 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 105 | | µg/kg dry | 105 | 70.8 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 26.2 | | µg/kg dry | 26.2 | 12.9 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2100 | | µg/kg dry | 2100 | 599 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 114 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 105 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|-------------------------------------|-------------------|---------------|-------------|--------------|-------------------------|---------------|-----------------------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| BB-US-SEDV-06 | | | | | 08-14218G3 | Soil | 15-Oct-14 09:05 | 15-Oct-14 | | | | | |
| SB98147-38 | | | | | | | | | | | | | |
| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 74.4 | SOLj | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |

Sample Identification

BB-US-SWV-06

SB98147-39

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 09:05

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SWV-06

SB98147-39

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 09:05

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 109 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 113 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

BB-US-SED-07

SB98147-40

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 09:20

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.68 | | mg/kg dry | 1.68 | 0.593 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 23.5 | | mg/kg dry | 1.12 | 0.203 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.559 | | mg/kg dry | 0.559 | 0.0749 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 7.54 | | mg/kg dry | 1.12 | 0.202 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 9.94 | | mg/kg dry | 1.12 | 0.153 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 8,530 | | mg/kg dry | 4.47 | 2.03 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 270 | | mg/kg dry | 1.12 | 0.169 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 43.5 | | mg/kg dry | 27.9 | 6.27 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 10.7 | | mg/kg dry | 1.12 | 0.155 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 4.06 | | mg/kg dry | 1.68 | 0.778 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 22.5 | | mg/kg dry | 1.12 | 0.279 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 75.9 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
| Total Organic Carbon | 1,520 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 35.7 | % Retained | | | | | 1 | ASTM D422 | 22-Oct-14 | 23-Oct-14 | EEM | 1425083 | |
| Fractional % Sieve #10 (4750-2000µm) | 22.0 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 19.5 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 12.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 6.52 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 1.39 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 2.03 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.107 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-US-SEDV-07

SB98147-41

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 09:20

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|--------------------|-------------|--------------|-------------|------------|-----------------|------------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | | | | | | | |
| Initial weight: 15.59 g | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 3.7 | | µg/kg dry | 3.7 | 3.0 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 36.9 | | µg/kg dry | 36.9 | 19.5 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 3.7 | | µg/kg dry | 3.7 | 2.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 3.7 | | µg/kg dry | 3.7 | 1.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 3.7 | | µg/kg dry | 3.7 | 2.5 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 3.7 | | µg/kg dry | 3.7 | 3.7 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 3.7 | | µg/kg dry | 3.7 | 2.9 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 3.7 | | µg/kg dry | 3.7 | 3.5 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 7.4 | | µg/kg dry | 7.4 | 7.3 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 36.9 | | µg/kg dry | 36.9 | 12.5 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 3.7 | | µg/kg dry | 3.7 | 3.0 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 3.7 | | µg/kg dry | 3.7 | 2.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 3.7 | | µg/kg dry | 3.7 | 2.6 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 7.4 | | µg/kg dry | 7.4 | 1.8 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 3.7 | | µg/kg dry | 3.7 | 1.8 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 3.7 | | µg/kg dry | 3.7 | 1.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 7.4 | | µg/kg dry | 7.4 | 3.2 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 3.7 | | µg/kg dry | 3.7 | 1.9 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 7.4 | | µg/kg dry | 7.4 | 7.2 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 3.7 | | µg/kg dry | 3.7 | 1.7 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 3.7 | | µg/kg dry | 3.7 | 2.0 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 7.4 | | µg/kg dry | 7.4 | 4.8 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 3.7 | | µg/kg dry | 3.7 | 1.3 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 3.7 | | µg/kg dry | 3.7 | 0.8 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 3.7 | | µg/kg dry | 3.7 | 2.1 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 3.7 | | µg/kg dry | 3.7 | 1.7 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 3.7 | | µg/kg dry | 3.7 | 2.6 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 3.7 | | µg/kg dry | 3.7 | 2.0 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 7.4 | | µg/kg dry | 7.4 | 2.7 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 3.7 | | µg/kg dry | 3.7 | 1.4 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 3.7 | | µg/kg dry | 3.7 | 1.9 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 3.7 | | µg/kg dry | 3.7 | 2.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 3.7 | | µg/kg dry | 3.7 | 1.3 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 3.7 | | µg/kg dry | 3.7 | 2.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 3.7 | | µg/kg dry | 3.7 | 1.7 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 3.7 | | µg/kg dry | 3.7 | 1.3 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 3.7 | | µg/kg dry | 3.7 | 2.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 3.7 | | µg/kg dry | 3.7 | 2.2 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 3.7 | | µg/kg dry | 3.7 | 1.0 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 3.7 | | µg/kg dry | 3.7 | 1.9 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 3.7 | | µg/kg dry | 3.7 | 1.2 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SEDV-07

SB98147-41

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 09:20

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 15.59 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 3.7 | | µg/kg dry | 3.7 | 1.3 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 36.9 | | µg/kg dry | 36.9 | 8.5 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 3.7 | | µg/kg dry | 3.7 | 3.2 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 3.7 | | µg/kg dry | 3.7 | 2.2 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 3.7 | | µg/kg dry | 3.7 | 1.9 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 36.9 | | µg/kg dry | 36.9 | 11.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 7.4 | | µg/kg dry | 7.4 | 2.2 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 3.7 | | µg/kg dry | 3.7 | 2.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 3.7 | | µg/kg dry | 3.7 | 1.5 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 3.7 | | µg/kg dry | 3.7 | 0.2 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 3.7 | | µg/kg dry | 3.7 | 2.2 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 3.7 | | µg/kg dry | 3.7 | 2.4 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 3.7 | | µg/kg dry | 3.7 | 2.5 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 3.7 | | µg/kg dry | 3.7 | 1.6 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 3.7 | | µg/kg dry | 3.7 | 2.6 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 3.7 | | µg/kg dry | 3.7 | 2.2 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 3.7 | | µg/kg dry | 3.7 | 0.9 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 3.7 | | µg/kg dry | 3.7 | 2.1 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 3.7 | | µg/kg dry | 3.7 | 1.5 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 3.7 | | µg/kg dry | 3.7 | 1.2 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 3.7 | | µg/kg dry | 3.7 | 2.5 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 3.7 | | µg/kg dry | 3.7 | 2.2 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 3.7 | | µg/kg dry | 3.7 | 2.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 3.7 | | µg/kg dry | 3.7 | 2.2 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 3.7 | | µg/kg dry | 3.7 | 2.5 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 7.4 | | µg/kg dry | 7.4 | 2.1 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 3.7 | | µg/kg dry | 3.7 | 2.3 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 7.4 | | µg/kg dry | 7.4 | 5.4 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 3.7 | | µg/kg dry | 3.7 | 3.3 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 3.7 | | µg/kg dry | 3.7 | 2.2 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 3.7 | | µg/kg dry | 3.7 | 1.1 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 3.7 | | µg/kg dry | 3.7 | 1.0 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 36.9 | | µg/kg dry | 36.9 | 22.0 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 73.9 | | µg/kg dry | 73.9 | 49.8 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 18.5 | | µg/kg dry | 18.5 | 9.1 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1480 | | µg/kg dry | 1480 | 422 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 112 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 105 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|------------------------------|------------|--------|------|-------|-------------------------|---------------|-----------------------------|-----------------|-----------|-----------|---------|---------|-------|
| BB-US-SEDV-07 | | | | | 08-14218G3 | Soil | 15-Oct-14 09:20 | 15-Oct-14 | | | | | |
| SB98147-41 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 75.9 | SOLk | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |

Sample Identification

BB-US-SWV-07

SB98147-42

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 09:20

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SWV-07

SB98147-42

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 09:20

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 103 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 110 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 112 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

BB-US-SED-08

SB98147-43

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 09:30

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.69 | | mg/kg dry | 1.69 | 0.599 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 26.1 | | mg/kg dry | 1.13 | 0.205 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.564 | | mg/kg dry | 0.564 | 0.0756 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 9.22 | | mg/kg dry | 1.13 | 0.204 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 6.99 | | mg/kg dry | 1.13 | 0.155 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 9,460 | | mg/kg dry | 4.51 | 2.05 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 290 | | mg/kg dry | 1.13 | 0.170 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 94.6 | | mg/kg dry | 28.2 | 6.33 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 10.3 | | mg/kg dry | 1.13 | 0.157 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 4.63 | | mg/kg dry | 1.69 | 0.785 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 44.0 | | mg/kg dry | 1.13 | 0.282 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 80.9 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
| Total Organic Carbon | 1,020 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|--------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 17.2 | % Retained | | | | | 1 | ASTM D422 | 22-Oct-14 | 23-Oct-14 | EEM | 1425083 | |
| Fractional % Sieve #10 (4750-2000µm) | 38.1 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 36.0 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 8.14 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 0.361 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.0984 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 0.230 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | -0.164 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

BB-US-SEDV-08

SB98147-44

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 09:30

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|-------------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| | | | | | | | | Initial weight: 10.23 g | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 4.2 | | µg/kg dry | 4.2 | 3.4 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 42.0 | | µg/kg dry | 42.0 | 22.1 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 4.2 | | µg/kg dry | 4.2 | 2.8 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 4.2 | | µg/kg dry | 4.2 | 1.5 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 4.2 | | µg/kg dry | 4.2 | 2.8 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 4.2 | | µg/kg dry | 4.2 | 4.2 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 4.2 | | µg/kg dry | 4.2 | 3.3 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 4.2 | | µg/kg dry | 4.2 | 4.0 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 8.4 | | µg/kg dry | 8.4 | 8.3 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 42.0 | | µg/kg dry | 42.0 | 14.2 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 4.2 | | µg/kg dry | 4.2 | 3.5 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 4.2 | | µg/kg dry | 4.2 | 2.7 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 4.2 | | µg/kg dry | 4.2 | 3.0 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 8.4 | | µg/kg dry | 8.4 | 2.1 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 4.2 | | µg/kg dry | 4.2 | 2.0 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 1.5 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 8.4 | | µg/kg dry | 8.4 | 3.6 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 4.2 | | µg/kg dry | 4.2 | 2.2 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 8.4 | | µg/kg dry | 8.4 | 8.2 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 4.2 | | µg/kg dry | 4.2 | 1.9 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 4.2 | | µg/kg dry | 4.2 | 2.2 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 8.4 | | µg/kg dry | 8.4 | 5.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 4.2 | | µg/kg dry | 4.2 | 1.5 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 4.2 | | µg/kg dry | 4.2 | 1.0 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 4.2 | | µg/kg dry | 4.2 | 2.3 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 2.0 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 3.0 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 2.3 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 8.4 | | µg/kg dry | 8.4 | 3.1 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 4.2 | | µg/kg dry | 4.2 | 1.6 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 4.2 | | µg/kg dry | 4.2 | 2.1 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 4.2 | | µg/kg dry | 4.2 | 2.8 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 4.2 | | µg/kg dry | 4.2 | 1.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 4.2 | | µg/kg dry | 4.2 | 2.9 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 4.2 | | µg/kg dry | 4.2 | 1.9 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 4.2 | | µg/kg dry | 4.2 | 1.5 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 4.2 | | µg/kg dry | 4.2 | 2.6 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 4.2 | | µg/kg dry | 4.2 | 2.5 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 4.2 | | µg/kg dry | 4.2 | 1.1 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 4.2 | | µg/kg dry | 4.2 | 2.1 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 4.2 | | µg/kg dry | 4.2 | 1.4 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SEDV-08

SB98147-44

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 09:30

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 10.23 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 4.2 | | µg/kg dry | 4.2 | 1.5 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 42.0 | | µg/kg dry | 42.0 | 9.7 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 4.2 | | µg/kg dry | 4.2 | 3.7 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 4.2 | | µg/kg dry | 4.2 | 2.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 4.2 | | µg/kg dry | 4.2 | 2.2 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 42.0 | | µg/kg dry | 42.0 | 13.0 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 8.4 | | µg/kg dry | 8.4 | 2.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 4.2 | | µg/kg dry | 4.2 | 2.9 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 4.2 | | µg/kg dry | 4.2 | 1.7 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 4.2 | | µg/kg dry | 4.2 | 0.2 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 4.2 | | µg/kg dry | 4.2 | 2.5 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 4.2 | | µg/kg dry | 4.2 | 2.8 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 4.2 | | µg/kg dry | 4.2 | 2.9 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 4.2 | | µg/kg dry | 4.2 | 1.8 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 3.0 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 2.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 4.2 | | µg/kg dry | 4.2 | 1.0 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 4.2 | | µg/kg dry | 4.2 | 2.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 4.2 | | µg/kg dry | 4.2 | 1.7 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 4.2 | | µg/kg dry | 4.2 | 1.3 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 4.2 | | µg/kg dry | 4.2 | 2.9 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 4.2 | | µg/kg dry | 4.2 | 2.5 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 4.2 | | µg/kg dry | 4.2 | 2.6 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 4.2 | | µg/kg dry | 4.2 | 2.5 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 4.2 | | µg/kg dry | 4.2 | 2.8 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 8.4 | | µg/kg dry | 8.4 | 2.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 4.2 | | µg/kg dry | 4.2 | 2.7 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 8.4 | | µg/kg dry | 8.4 | 6.2 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 4.2 | | µg/kg dry | 4.2 | 3.8 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 4.2 | | µg/kg dry | 4.2 | 2.4 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 4.2 | | µg/kg dry | 4.2 | 1.2 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 4.2 | | µg/kg dry | 4.2 | 1.1 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 42.0 | | µg/kg dry | 42.0 | 25.0 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 84.0 | | µg/kg dry | 84.0 | 56.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 21.0 | | µg/kg dry | 21.0 | 10.3 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1680 | | µg/kg dry | 1680 | 479 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 96 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 116 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 106 | | | 70-130 % | | " | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|-------------------------------------|-------------------|---------------|-------------|--------------|-------------------------|---------------|-----------------------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| BB-US-SEDV-08 | | | | | 08-14218G3 | Soil | 15-Oct-14 09:30 | 15-Oct-14 | | | | | |
| SB98147-44 | | | | | | | | | | | | | |
| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 80.9 | | SOLI | % | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |

Sample Identification

BB-US-SWV-08

SB98147-45

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 09:30

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

BB-US-SWV-08

SB98147-45

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 09:30

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 104 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 113 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 116 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

NR-DS-SED-06

SB98147-46

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 10:25

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.04 | | mg/kg dry | 2.04 | 0.721 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 30.1 | | mg/kg dry | 1.36 | 0.247 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.679 | | mg/kg dry | 0.679 | 0.0910 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 10.4 | | mg/kg dry | 1.36 | 0.246 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 19.9 | | mg/kg dry | 1.36 | 0.186 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 8,300 | | mg/kg dry | 5.43 | 2.46 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 144 | | mg/kg dry | 1.36 | 0.205 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 106 | | mg/kg dry | 33.9 | 7.62 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 7.43 | | mg/kg dry | 1.36 | 0.189 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 10.2 | | mg/kg dry | 2.04 | 0.945 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 56.1 | | mg/kg dry | 1.36 | 0.339 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|---|--|-------|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 73.4 | | | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
| Total Organic Carbon | 8,230 | E | | mg/kg | 100 | 44.9 | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|------|--|--|---------------|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 1.33 | | | % Retained | | | 1 | ASTM D422 | 22-Oct-14 | 23-Oct-14 | EEM | 1425083 | |
| Fractional % Sieve #10 (4750-2000µm) | 5.03 | | | % Retained | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 20.2 | | | % Retained | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 26.9 | | | % Retained | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 21.7 | | | % Retained | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 2.85 | | | % Retained | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 18.8 | | | % Retained | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 3.13 | | | % Retained | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-DS-SEDV-06

SB98147-47

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 10:25

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| Initial weight: 11.34 g | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 4.8 | | µg/kg dry | 4.8 | 3.9 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 48.2 | | µg/kg dry | 48.2 | 25.4 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 4.8 | | µg/kg dry | 4.8 | 4.8 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 4.8 | | µg/kg dry | 4.8 | 3.8 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 4.8 | | µg/kg dry | 4.8 | 4.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 9.6 | | µg/kg dry | 9.6 | 9.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 48.2 | | µg/kg dry | 48.2 | 16.2 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 4.8 | | µg/kg dry | 4.8 | 4.0 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 4.8 | | µg/kg dry | 4.8 | 3.1 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 4.8 | | µg/kg dry | 4.8 | 3.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 9.6 | | µg/kg dry | 9.6 | 2.4 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 4.8 | | µg/kg dry | 4.8 | 2.3 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 9.6 | | µg/kg dry | 9.6 | 4.2 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 4.8 | | µg/kg dry | 4.8 | 2.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 9.6 | | µg/kg dry | 9.6 | 9.4 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 4.8 | | µg/kg dry | 4.8 | 2.2 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 4.8 | | µg/kg dry | 4.8 | 2.5 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 9.6 | | µg/kg dry | 9.6 | 6.3 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 4.8 | | µg/kg dry | 4.8 | 1.1 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 4.8 | | µg/kg dry | 4.8 | 2.7 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 2.3 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 3.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 2.7 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 9.6 | | µg/kg dry | 9.6 | 3.5 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 4.8 | | µg/kg dry | 4.8 | 1.9 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 4.8 | | µg/kg dry | 4.8 | 2.5 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 4.8 | | µg/kg dry | 4.8 | 1.6 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 4.8 | | µg/kg dry | 4.8 | 3.3 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 4.8 | | µg/kg dry | 4.8 | 2.2 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 4.8 | | µg/kg dry | 4.8 | 3.0 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 4.8 | | µg/kg dry | 4.8 | 1.3 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 4.8 | | µg/kg dry | 4.8 | 2.4 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 4.8 | | µg/kg dry | 4.8 | 1.6 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SEDV-06

SB98147-47

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 10:25

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 11.34 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 48.2 | | µg/kg dry | 48.2 | 11.1 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 4.8 | | µg/kg dry | 4.8 | 4.2 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 4.8 | | µg/kg dry | 4.8 | 2.5 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 48.2 | | µg/kg dry | 48.2 | 15.0 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 9.6 | | µg/kg dry | 9.6 | 2.9 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 4.8 | | µg/kg dry | 4.8 | 3.3 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 4.8 | | µg/kg dry | 4.8 | 1.9 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 4.8 | | µg/kg dry | 4.8 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 4.8 | | µg/kg dry | 4.8 | 3.3 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 4.8 | | µg/kg dry | 4.8 | 2.0 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 3.4 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 2.8 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 1.1 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 4.8 | | µg/kg dry | 4.8 | 2.7 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 4.8 | | µg/kg dry | 4.8 | 1.9 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 4.8 | | µg/kg dry | 4.8 | 1.5 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 4.8 | | µg/kg dry | 4.8 | 3.3 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 4.8 | | µg/kg dry | 4.8 | 3.0 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 9.6 | | µg/kg dry | 9.6 | 2.8 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 4.8 | | µg/kg dry | 4.8 | 3.0 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 9.6 | | µg/kg dry | 9.6 | 7.1 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 4.8 | | µg/kg dry | 4.8 | 4.4 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 4.8 | | µg/kg dry | 4.8 | 2.8 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 4.8 | | µg/kg dry | 4.8 | 1.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 4.8 | | µg/kg dry | 4.8 | 1.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 48.2 | | µg/kg dry | 48.2 | 28.7 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 96.3 | | µg/kg dry | 96.3 | 64.9 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 24.1 | | µg/kg dry | 24.1 | 11.9 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1930 | | µg/kg dry | 1930 | 549 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 115 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 105 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|------------------------------|------------|--------|------|-------|-------------------------|---------------|-----------------------------|-----------------|-----------|-----------|---------|---------|-------|
| NR-DS-SEDV-06 | | | | | 08-14218G3 | Soil | 15-Oct-14 10:25 | 15-Oct-14 | | | | | |
| SB98147-47 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 73.4 | SOLm | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |

Sample Identification

NR-DS-SWV-06

SB98147-48

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 10:25

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SWV-06

SB98147-48

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 10:25

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 106 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 113 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 114 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

NR-DS-SED-07

SB98147-49

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 10:35

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.78 | | mg/kg dry | 1.78 | 0.630 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 22.9 | | mg/kg dry | 1.19 | 0.216 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.593 | | mg/kg dry | 0.593 | 0.0795 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 10.2 | | mg/kg dry | 1.19 | 0.215 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 40.6 | | mg/kg dry | 1.19 | 0.163 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 6,430 | | mg/kg dry | 4.75 | 2.15 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 100 | | mg/kg dry | 1.19 | 0.179 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 63.7 | | mg/kg dry | 29.7 | 6.66 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 7.01 | | mg/kg dry | 1.19 | 0.165 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 8.68 | | mg/kg dry | 1.78 | 0.826 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 55.7 | | mg/kg dry | 1.19 | 0.297 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 75.6 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424442 | |
| Total Organic Carbon | 296 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 0.250 | % Retained | | | | | 1 | ASTM D422 | 22-Oct-14 | 23-Oct-14 | EEM | 1425083 | |
| Fractional % Sieve #10 (4750-2000µm) | 2.75 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 14.9 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 33.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 29.3 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.00 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 18.2 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.900 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-DS-SEDV-07

SB98147-50

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 10:35

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|--------------------|-------------|--------------|-------------|------------|--------------------------------|------------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | <u>Initial weight: 13.28 g</u> | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 4.1 | | µg/kg dry | 4.1 | 3.3 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 41.0 | | µg/kg dry | 41.0 | 21.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 4.1 | | µg/kg dry | 4.1 | 1.5 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 4.1 | | µg/kg dry | 4.1 | 4.1 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 4.1 | | µg/kg dry | 4.1 | 3.2 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 4.1 | | µg/kg dry | 4.1 | 3.9 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 8.2 | | µg/kg dry | 8.2 | 8.1 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 41.0 | | µg/kg dry | 41.0 | 13.8 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 4.1 | | µg/kg dry | 4.1 | 3.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 4.1 | | µg/kg dry | 4.1 | 2.9 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 8.2 | | µg/kg dry | 8.2 | 2.0 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 4.1 | | µg/kg dry | 4.1 | 2.0 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 1.4 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 8.2 | | µg/kg dry | 8.2 | 3.5 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 4.1 | | µg/kg dry | 4.1 | 2.1 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 8.2 | | µg/kg dry | 8.2 | 8.0 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 4.1 | | µg/kg dry | 4.1 | 1.8 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 4.1 | | µg/kg dry | 4.1 | 2.2 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 8.2 | | µg/kg dry | 8.2 | 5.3 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 4.1 | | µg/kg dry | 4.1 | 1.5 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 4.1 | | µg/kg dry | 4.1 | 0.9 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 4.1 | | µg/kg dry | 4.1 | 2.3 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 1.9 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.9 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.3 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 8.2 | | µg/kg dry | 8.2 | 3.0 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 4.1 | | µg/kg dry | 4.1 | 1.6 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 4.1 | | µg/kg dry | 4.1 | 2.1 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 4.1 | | µg/kg dry | 4.1 | 1.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 4.1 | | µg/kg dry | 4.1 | 1.9 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 4.1 | | µg/kg dry | 4.1 | 1.4 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 4.1 | | µg/kg dry | 4.1 | 2.6 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 4.1 | | µg/kg dry | 4.1 | 2.5 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 4.1 | | µg/kg dry | 4.1 | 1.1 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 4.1 | | µg/kg dry | 4.1 | 2.1 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 4.1 | | µg/kg dry | 4.1 | 1.4 | 1 | " | " | " | " | " | X |

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

NR-DS-SEDV-07

SB98147-50

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 10:35

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 13.28 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 4.1 | | µg/kg dry | 4.1 | 1.5 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 41.0 | | µg/kg dry | 41.0 | 9.4 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 4.1 | | µg/kg dry | 4.1 | 3.6 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 4.1 | | µg/kg dry | 4.1 | 2.4 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 4.1 | | µg/kg dry | 4.1 | 2.2 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 41.0 | | µg/kg dry | 41.0 | 12.7 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 8.2 | | µg/kg dry | 8.2 | 2.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 4.1 | | µg/kg dry | 4.1 | 1.6 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 4.1 | | µg/kg dry | 4.1 | 0.2 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 4.1 | | µg/kg dry | 4.1 | 2.5 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 4.1 | | µg/kg dry | 4.1 | 1.7 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.9 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 1.0 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 4.1 | | µg/kg dry | 4.1 | 2.3 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 4.1 | | µg/kg dry | 4.1 | 1.6 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 4.1 | | µg/kg dry | 4.1 | 1.3 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 4.1 | | µg/kg dry | 4.1 | 2.5 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 4.1 | | µg/kg dry | 4.1 | 2.5 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 4.1 | | µg/kg dry | 4.1 | 2.5 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 8.2 | | µg/kg dry | 8.2 | 2.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 4.1 | | µg/kg dry | 4.1 | 2.6 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 8.2 | | µg/kg dry | 8.2 | 6.0 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 4.1 | | µg/kg dry | 4.1 | 3.7 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 4.1 | | µg/kg dry | 4.1 | 2.4 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 4.1 | | µg/kg dry | 4.1 | 1.2 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 4.1 | | µg/kg dry | 4.1 | 1.1 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 41.0 | | µg/kg dry | 41.0 | 24.4 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 82.0 | | µg/kg dry | 82.0 | 55.3 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 20.5 | | µg/kg dry | 20.5 | 10.1 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1640 | | µg/kg dry | 1640 | 468 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 104 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 114 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 105 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters*This laboratory report is not valid without an authorized signature on the cover page.*

| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|------------------------------|------------|--------|------|-------|-------------------------|---------------|-----------------------------|-----------------|-----------|-----------|---------|---------|-------|
| NR-DS-SEDV-07 | | | | | 08-14218G3 | Soil | 15-Oct-14 10:35 | 15-Oct-14 | | | | | |
| SB98147-50 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 75.6 | SOLn | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |

Sample Identification

NR-DS-SWV-07

SB98147-51

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 10:35

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SWV-07

SB98147-51

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 10:35

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 104 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 112 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 119 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

NR-DS-SED-08

SB98147-52

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 10:45

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.02 | | mg/kg dry | 2.02 | 0.714 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 38.6 | | mg/kg dry | 1.34 | 0.245 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.672 | | mg/kg dry | 0.672 | 0.0900 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 14.8 | | mg/kg dry | 1.34 | 0.243 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 34.8 | | mg/kg dry | 1.34 | 0.184 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 9,560 | | mg/kg dry | 5.37 | 2.44 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 143 | | mg/kg dry | 1.34 | 0.203 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 118 | | mg/kg dry | 33.6 | 7.54 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 10.6 | | mg/kg dry | 1.34 | 0.187 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 12.7 | | mg/kg dry | 2.02 | 0.935 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 89.2 | | mg/kg dry | 1.34 | 0.336 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 70.2 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |
| Total Organic Carbon | 2,880 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|--------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | -0.145 | % Retained | | | | | 1 | ASTM D422 | 22-Oct-14 | 23-Oct-14 | EEM | 1425083 | |
| Fractional % Sieve #10 (4750-2000µm) | 0.530 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 3.52 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 7.81 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 21.8 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 3.86 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 60.3 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 2.31 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-DS-SEDV-08

SB98147-53

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 10:45

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| Initial weight: 14.32 g | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 4.6 | | µg/kg dry | 4.6 | 3.7 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 46.0 | | µg/kg dry | 46.0 | 24.3 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 4.6 | | µg/kg dry | 4.6 | 3.1 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 4.6 | | µg/kg dry | 4.6 | 1.7 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 4.6 | | µg/kg dry | 4.6 | 3.1 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 4.6 | | µg/kg dry | 4.6 | 4.6 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 4.6 | | µg/kg dry | 4.6 | 3.6 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 4.6 | | µg/kg dry | 4.6 | 4.4 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 9.2 | | µg/kg dry | 9.2 | 9.1 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 46.0 | | µg/kg dry | 46.0 | 15.5 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 4.6 | | µg/kg dry | 4.6 | 3.8 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 4.6 | | µg/kg dry | 4.6 | 3.0 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 4.6 | | µg/kg dry | 4.6 | 3.3 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 9.2 | | µg/kg dry | 9.2 | 2.3 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 4.6 | | µg/kg dry | 4.6 | 2.2 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 4.6 | | µg/kg dry | 4.6 | 1.6 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 9.2 | | µg/kg dry | 9.2 | 4.0 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 4.6 | | µg/kg dry | 4.6 | 2.4 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 9.2 | | µg/kg dry | 9.2 | 9.0 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 4.6 | | µg/kg dry | 4.6 | 2.1 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 4.6 | | µg/kg dry | 4.6 | 2.4 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 9.2 | | µg/kg dry | 9.2 | 6.0 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 4.6 | | µg/kg dry | 4.6 | 1.7 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 4.6 | | µg/kg dry | 4.6 | 1.0 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 4.6 | | µg/kg dry | 4.6 | 2.6 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 4.6 | | µg/kg dry | 4.6 | 2.2 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 4.6 | | µg/kg dry | 4.6 | 3.3 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 4.6 | | µg/kg dry | 4.6 | 2.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 9.2 | | µg/kg dry | 9.2 | 3.3 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 4.6 | | µg/kg dry | 4.6 | 1.8 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 4.6 | | µg/kg dry | 4.6 | 2.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 4.6 | | µg/kg dry | 4.6 | 3.1 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 4.6 | | µg/kg dry | 4.6 | 1.6 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 4.6 | | µg/kg dry | 4.6 | 3.2 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 4.6 | | µg/kg dry | 4.6 | 2.1 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 4.6 | | µg/kg dry | 4.6 | 1.6 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 4.6 | | µg/kg dry | 4.6 | 2.9 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 4.6 | | µg/kg dry | 4.6 | 2.8 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 4.6 | | µg/kg dry | 4.6 | 1.2 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 4.6 | | µg/kg dry | 4.6 | 2.3 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 4.6 | | µg/kg dry | 4.6 | 1.5 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SEDV-08

SB98147-53

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 10:45

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 14.32 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 4.6 | | µg/kg dry | 4.6 | 1.7 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 46.0 | | µg/kg dry | 46.0 | 10.6 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 4.6 | | µg/kg dry | 4.6 | 4.0 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 4.6 | | µg/kg dry | 4.6 | 2.7 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 4.6 | | µg/kg dry | 4.6 | 2.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 46.0 | | µg/kg dry | 46.0 | 14.3 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 9.2 | | µg/kg dry | 9.2 | 2.8 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 4.6 | | µg/kg dry | 4.6 | 3.1 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 4.6 | | µg/kg dry | 4.6 | 1.9 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 4.6 | | µg/kg dry | 4.6 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 4.6 | | µg/kg dry | 4.6 | 2.8 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 4.6 | | µg/kg dry | 4.6 | 3.0 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 4.6 | | µg/kg dry | 4.6 | 3.1 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 4.6 | | µg/kg dry | 4.6 | 1.9 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 4.6 | | µg/kg dry | 4.6 | 3.3 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 4.6 | | µg/kg dry | 4.6 | 2.7 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 4.6 | | µg/kg dry | 4.6 | 1.1 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 4.6 | | µg/kg dry | 4.6 | 2.6 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 4.6 | | µg/kg dry | 4.6 | 1.9 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 4.6 | | µg/kg dry | 4.6 | 1.5 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 4.6 | | µg/kg dry | 4.6 | 3.1 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 4.6 | | µg/kg dry | 4.6 | 2.8 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 4.6 | | µg/kg dry | 4.6 | 2.8 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 4.6 | | µg/kg dry | 4.6 | 2.8 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 4.6 | | µg/kg dry | 4.6 | 3.1 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 9.2 | | µg/kg dry | 9.2 | 2.6 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 4.6 | | µg/kg dry | 4.6 | 2.9 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 9.2 | | µg/kg dry | 9.2 | 6.8 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 4.6 | | µg/kg dry | 4.6 | 4.2 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 4.6 | | µg/kg dry | 4.6 | 2.7 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 4.6 | | µg/kg dry | 4.6 | 1.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 4.6 | | µg/kg dry | 4.6 | 1.2 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 46.0 | | µg/kg dry | 46.0 | 27.4 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 92.1 | | µg/kg dry | 92.1 | 62.1 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 23.0 | | µg/kg dry | 23.0 | 11.3 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1840 | | µg/kg dry | 1840 | 525 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 96 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 113 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 107 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|------------------------------|------------|--------|------|-------|-------------------------|---------------|-----------------------------|-----------------|-----------|-----------|---------|---------|-------|
| NR-DS-SEDV-08 | | | | | 08-14218G3 | Soil | 15-Oct-14 10:45 | 15-Oct-14 | | | | | |
| SB98147-53 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 70.2 | SOLo | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |

Sample Identification

NR-DS-SWV-08

SB98147-54

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 10:45

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-DS-SWV-08

SB98147-54

Client Project

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 10:45

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 103 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 109 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 112 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

NR-US-SED-01

SB98147-55

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 11:25

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.04 | | mg/kg dry | 2.04 | 0.721 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 47.6 | | mg/kg dry | 1.36 | 0.247 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.679 | | mg/kg dry | 0.679 | 0.0910 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 19.2 | | mg/kg dry | 1.36 | 0.246 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 53.3 | | mg/kg dry | 1.36 | 0.186 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 10,500 | | mg/kg dry | 5.43 | 2.46 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 208 | | mg/kg dry | 1.36 | 0.205 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 129 | | mg/kg dry | 34.0 | 7.63 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 12.9 | | mg/kg dry | 1.36 | 0.189 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 18.1 | | mg/kg dry | 2.04 | 0.946 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 135 | | mg/kg dry | 1.36 | 0.340 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|-------|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 65.1 | | % | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |
| Total Organic Carbon | 6,960 | TOC 1 | mg/kg | 100 | 44.9 | | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|---------|--|---------------|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 29.2 | | % Retained | | | | 1 | ASTM D422 | 22-Oct-14 | 23-Oct-14 | EEM | 1425083 | |
| Fractional % Sieve #10 (4750-2000µm) | 0.280 | | % Retained | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 0.280 | | % Retained | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 1.73 | | % Retained | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 13.2 | | % Retained | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | -0.0560 | | % Retained | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 50.6 | | % Retained | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 4.81 | | % Retained | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-US-SEDV-01

SB98147-56

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 11:25

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|--|-----------------|------|-----------|------|------|------------------------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | Initial weight: 8.08 g | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 7.4 | | µg/kg dry | 7.4 | 6.0 | 1 | SW846 8260C | 21-Oct-14 | 21-Oct-14 | JEG | 1424777 | X |
| 67-64-1 | Acetone | < 74.3 | | µg/kg dry | 74.3 | 39.2 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 7.4 | | µg/kg dry | 7.4 | 5.0 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 7.4 | | µg/kg dry | 7.4 | 2.7 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 7.4 | | µg/kg dry | 7.4 | 5.0 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 7.4 | | µg/kg dry | 7.4 | 7.4 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 7.4 | | µg/kg dry | 7.4 | 5.8 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 7.4 | | µg/kg dry | 7.4 | 7.1 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 14.9 | | µg/kg dry | 14.9 | 14.6 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 74.3 | | µg/kg dry | 74.3 | 25.0 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 7.4 | | µg/kg dry | 7.4 | 6.1 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 7.4 | | µg/kg dry | 7.4 | 4.8 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 7.4 | | µg/kg dry | 7.4 | 5.3 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 14.9 | | µg/kg dry | 14.9 | 3.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 7.4 | | µg/kg dry | 7.4 | 3.6 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 7.4 | | µg/kg dry | 7.4 | 2.6 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 14.9 | | µg/kg dry | 14.9 | 6.4 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 7.4 | | µg/kg dry | 7.4 | 3.9 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 14.9 | | µg/kg dry | 14.9 | 14.6 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 7.4 | | µg/kg dry | 7.4 | 3.3 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 7.4 | | µg/kg dry | 7.4 | 3.9 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 14.9 | | µg/kg dry | 14.9 | 9.7 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 7.4 | | µg/kg dry | 7.4 | 2.7 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 7.4 | | µg/kg dry | 7.4 | 1.7 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 7.4 | | µg/kg dry | 7.4 | 4.1 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 7.4 | | µg/kg dry | 7.4 | 3.5 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 7.4 | | µg/kg dry | 7.4 | 5.3 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 7.4 | | µg/kg dry | 7.4 | 4.1 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 14.9 | | µg/kg dry | 14.9 | 5.4 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 7.4 | | µg/kg dry | 7.4 | 2.9 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 7.4 | | µg/kg dry | 7.4 | 3.8 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 7.4 | | µg/kg dry | 7.4 | 5.0 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 7.4 | | µg/kg dry | 7.4 | 2.5 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 7.4 | | µg/kg dry | 7.4 | 5.1 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 7.4 | | µg/kg dry | 7.4 | 3.4 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 7.4 | | µg/kg dry | 7.4 | 2.6 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 7.4 | | µg/kg dry | 7.4 | 4.7 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 7.4 | | µg/kg dry | 7.4 | 4.5 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 7.4 | | µg/kg dry | 7.4 | 2.0 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 7.4 | | µg/kg dry | 7.4 | 3.8 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 7.4 | | µg/kg dry | 7.4 | 2.5 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SEDV-01

SB98147-56

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 11:25

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 8.08 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 7.4 | | µg/kg dry | 7.4 | 2.7 | 1 | SW846 8260C | 21-Oct-14 | 21-Oct-14 | JEG | 1424777 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 74.3 | | µg/kg dry | 74.3 | 17.1 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 7.4 | | µg/kg dry | 7.4 | 6.5 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 7.4 | | µg/kg dry | 7.4 | 4.4 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 7.4 | | µg/kg dry | 7.4 | 3.9 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 74.3 | | µg/kg dry | 74.3 | 23.1 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 14.9 | | µg/kg dry | 14.9 | 4.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 7.4 | | µg/kg dry | 7.4 | 5.0 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 7.4 | | µg/kg dry | 7.4 | 3.0 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 7.4 | | µg/kg dry | 7.4 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 7.4 | | µg/kg dry | 7.4 | 4.5 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 7.4 | | µg/kg dry | 7.4 | 4.9 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 7.4 | | µg/kg dry | 7.4 | 5.0 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 7.4 | | µg/kg dry | 7.4 | 3.1 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 7.4 | | µg/kg dry | 7.4 | 5.3 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 7.4 | | µg/kg dry | 7.4 | 4.3 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 7.4 | | µg/kg dry | 7.4 | 1.7 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 7.4 | | µg/kg dry | 7.4 | 4.2 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 7.4 | | µg/kg dry | 7.4 | 3.0 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 7.4 | | µg/kg dry | 7.4 | 2.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 7.4 | | µg/kg dry | 7.4 | 5.1 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 7.4 | | µg/kg dry | 7.4 | 4.5 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 7.4 | | µg/kg dry | 7.4 | 4.6 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 7.4 | | µg/kg dry | 7.4 | 4.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 7.4 | | µg/kg dry | 7.4 | 5.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 14.9 | | µg/kg dry | 14.9 | 4.3 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 7.4 | | µg/kg dry | 7.4 | 4.7 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 14.9 | | µg/kg dry | 14.9 | 10.9 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 7.4 | | µg/kg dry | 7.4 | 6.7 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 7.4 | | µg/kg dry | 7.4 | 4.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 7.4 | | µg/kg dry | 7.4 | 2.2 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 7.4 | | µg/kg dry | 7.4 | 2.0 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 74.3 | | µg/kg dry | 74.3 | 44.3 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 149 | | µg/kg dry | 149 | 100 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 37.1 | | µg/kg dry | 37.1 | 18.3 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2970 | | µg/kg dry | 2970 | 847 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 93 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 118 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 110 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | <u>Client Project #</u> | | <u>Matrix</u> | | <u>Collection Date/Time</u> | | <u>Received</u> | | | |
|------------------------------|------------|--------|------|-------------------------|------|---------------|----------|-----------------------------|-----------|-----------------|---------|---------|-------|
| NR-US-SEDV-01 | | | | 08-14218G3 | | Soil | | 15-Oct-14 11:25 | | 15-Oct-14 | | | |
| SB98147-56 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 65.1 | SOLp | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |

Sample Identification

NR-US-SWV-01

SB98147-57

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 11:25

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SWV-01

SB98147-57

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 11:25

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 105 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 110 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 114 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

NR-US-SED-02

SB98147-58

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 11:35

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.01 | | mg/kg dry | 2.01 | 0.711 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 23.5 | | mg/kg dry | 1.34 | 0.244 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.670 | | mg/kg dry | 0.670 | 0.0897 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 11.1 | | mg/kg dry | 1.34 | 0.242 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 22.4 | | mg/kg dry | 1.34 | 0.183 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 6,380 | | mg/kg dry | 5.36 | 2.43 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 140 | | mg/kg dry | 1.34 | 0.202 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 73.5 | | mg/kg dry | 33.5 | 7.52 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 6.11 | | mg/kg dry | 1.34 | 0.186 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 9.16 | | mg/kg dry | 2.01 | 0.932 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 51.1 | | mg/kg dry | 1.34 | 0.335 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|-----|------|--|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 69.2 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |
| Total Organic Carbon | 3,070 | mg/kg | | 100 | 44.9 | | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 0.500 | % Retained | | | | | 1 | ASTM D422 | 24-Oct-14 | 24-Oct-14 | EEM | 1425210 | |
| Fractional % Sieve #10 (4750-2000µm) | 1.10 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 3.70 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 8.00 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 40.4 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 12.5 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 32.5 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 1.30 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-US-SEDV-02

SB98147-59

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 11:35

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|-------------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| | | | | | | | | Initial weight: 12.15 g | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.2 | | µg/kg dry | 5.2 | 4.2 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 52.0 | | µg/kg dry | 52.0 | 27.4 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.2 | | µg/kg dry | 5.2 | 1.9 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.2 | | µg/kg dry | 5.2 | 5.2 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.2 | | µg/kg dry | 5.2 | 4.1 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.2 | | µg/kg dry | 5.2 | 5.0 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.4 | | µg/kg dry | 10.4 | 10.3 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 52.0 | | µg/kg dry | 52.0 | 17.5 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.2 | | µg/kg dry | 5.2 | 4.3 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.2 | | µg/kg dry | 5.2 | 3.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.2 | | µg/kg dry | 5.2 | 3.7 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.4 | | µg/kg dry | 10.4 | 2.6 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.2 | | µg/kg dry | 5.2 | 2.5 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 1.8 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.4 | | µg/kg dry | 10.4 | 4.5 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.2 | | µg/kg dry | 5.2 | 2.7 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.4 | | µg/kg dry | 10.4 | 10.2 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.2 | | µg/kg dry | 5.2 | 2.3 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.2 | | µg/kg dry | 5.2 | 2.7 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.4 | | µg/kg dry | 10.4 | 6.8 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.2 | | µg/kg dry | 5.2 | 1.9 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.2 | | µg/kg dry | 5.2 | 1.2 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.2 | | µg/kg dry | 5.2 | 2.9 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 2.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 3.7 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 2.9 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.4 | | µg/kg dry | 10.4 | 3.8 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.2 | | µg/kg dry | 5.2 | 2.0 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.2 | | µg/kg dry | 5.2 | 2.6 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.2 | | µg/kg dry | 5.2 | 1.8 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.2 | | µg/kg dry | 5.2 | 3.6 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.2 | | µg/kg dry | 5.2 | 2.4 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.2 | | µg/kg dry | 5.2 | 1.8 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.2 | | µg/kg dry | 5.2 | 3.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.2 | | µg/kg dry | 5.2 | 1.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.2 | | µg/kg dry | 5.2 | 2.6 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 5.2 | | µg/kg dry | 5.2 | 1.7 | 1 | " | " | " | " | " | X |

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

NR-US-SEDV-02

SB98147-59

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 11:35

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 12.15 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 5.2 | | µg/kg dry | 5.2 | 1.9 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 52.0 | | µg/kg dry | 52.0 | 12.0 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.2 | | µg/kg dry | 5.2 | 4.5 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 5.2 | | µg/kg dry | 5.2 | 2.7 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 52.0 | | µg/kg dry | 52.0 | 16.2 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 10.4 | | µg/kg dry | 10.4 | 3.1 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.2 | | µg/kg dry | 5.2 | 2.1 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.2 | | µg/kg dry | 5.2 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.2 | | µg/kg dry | 5.2 | 3.4 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.2 | | µg/kg dry | 5.2 | 2.2 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 3.7 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 3.0 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.2 | | µg/kg dry | 5.2 | 1.2 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.2 | | µg/kg dry | 5.2 | 2.9 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.2 | | µg/kg dry | 5.2 | 2.1 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.2 | | µg/kg dry | 5.2 | 1.7 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.2 | | µg/kg dry | 5.2 | 3.6 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.2 | | µg/kg dry | 5.2 | 3.2 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.2 | | µg/kg dry | 5.2 | 3.1 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.2 | | µg/kg dry | 5.2 | 3.5 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.4 | | µg/kg dry | 10.4 | 3.0 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.2 | | µg/kg dry | 5.2 | 3.3 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.4 | | µg/kg dry | 10.4 | 7.6 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.2 | | µg/kg dry | 5.2 | 4.7 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.2 | | µg/kg dry | 5.2 | 3.0 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.2 | | µg/kg dry | 5.2 | 1.5 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.2 | | µg/kg dry | 5.2 | 1.4 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 52.0 | | µg/kg dry | 52.0 | 31.0 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 104 | | µg/kg dry | 104 | 70.1 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 26.0 | | µg/kg dry | 26.0 | 12.8 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2080 | | µg/kg dry | 2080 | 594 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 104 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 118 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 108 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|------------------------------|------------|--------|------|-------|-------------------------|---------------|-----------------------------|-----------------|-----------|-----------|---------|---------|-------|
| NR-US-SEDV-02 | | | | | 08-14218G3 | Soil | 15-Oct-14 11:35 | 15-Oct-14 | | | | | |
| SB98147-59 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 69.2 | SOLq | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |

Sample Identification

NR-US-SWV-02

SB98147-60

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 11:35

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

NR-US-SWV-02

SB98147-60

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 11:35

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | GMA | 1424541 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 104 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 111 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 111 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

NR-US-SED-03

SB98147-61

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 11:50

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.77 | | mg/kg dry | 1.77 | 0.627 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 19.9 | | mg/kg dry | 1.18 | 0.215 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.591 | | mg/kg dry | 0.591 | 0.0791 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 14.0 | | mg/kg dry | 1.18 | 0.214 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 16.5 | | mg/kg dry | 1.18 | 0.162 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 5,860 | | mg/kg dry | 4.72 | 2.14 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 85.1 | | mg/kg dry | 1.18 | 0.178 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 63.4 | | mg/kg dry | 29.5 | 6.63 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 6.53 | | mg/kg dry | 1.18 | 0.164 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 7.80 | | mg/kg dry | 1.77 | 0.822 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 55.2 | | mg/kg dry | 1.18 | 0.295 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 75.6 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |
| Total Organic Carbon | 378 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 0.900 | % Retained | | | | | 1 | ASTM D422 | 24-Oct-14 | 24-Oct-14 | EEM | 1425210 | |
| Fractional % Sieve #10 (4750-2000µm) | 0.100 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 1.00 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 21.3 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 51.0 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.200 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 24.0 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 1.40 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-US-SEDV-03

SB98147-62

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 11:50

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|-------------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| | | | | | | | | Initial weight: 10.41 g | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 4.8 | | µg/kg dry | 4.8 | 3.9 | 1 | SW846 8260C | 21-Oct-14 | 21-Oct-14 | JEG | 1424777 | X |
| 67-64-1 | Acetone | < 47.8 | | µg/kg dry | 47.8 | 25.2 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 4.8 | | µg/kg dry | 4.8 | 4.8 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 4.8 | | µg/kg dry | 4.8 | 3.7 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 4.8 | | µg/kg dry | 4.8 | 4.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 9.6 | | µg/kg dry | 9.6 | 9.4 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 47.8 | | µg/kg dry | 47.8 | 16.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 4.8 | | µg/kg dry | 4.8 | 3.9 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 4.8 | | µg/kg dry | 4.8 | 3.1 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 4.8 | | µg/kg dry | 4.8 | 3.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 9.6 | | µg/kg dry | 9.6 | 2.4 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 4.8 | | µg/kg dry | 4.8 | 2.3 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 9.6 | | µg/kg dry | 9.6 | 4.1 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 4.8 | | µg/kg dry | 4.8 | 2.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 9.6 | | µg/kg dry | 9.6 | 9.4 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 4.8 | | µg/kg dry | 4.8 | 2.1 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 4.8 | | µg/kg dry | 4.8 | 2.5 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 9.6 | | µg/kg dry | 9.6 | 6.2 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 4.8 | | µg/kg dry | 4.8 | 1.1 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 4.8 | | µg/kg dry | 4.8 | 2.7 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 2.2 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 3.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 2.6 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 9.6 | | µg/kg dry | 9.6 | 3.5 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 4.8 | | µg/kg dry | 4.8 | 1.9 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 4.8 | | µg/kg dry | 4.8 | 2.4 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 4.8 | | µg/kg dry | 4.8 | 1.6 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 4.8 | | µg/kg dry | 4.8 | 3.3 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 4.8 | | µg/kg dry | 4.8 | 2.2 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 4.8 | | µg/kg dry | 4.8 | 3.0 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 4.8 | | µg/kg dry | 4.8 | 1.3 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 4.8 | | µg/kg dry | 4.8 | 2.4 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 4.8 | | µg/kg dry | 4.8 | 1.6 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SEDV-03

SB98147-62

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 11:50

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 10.41 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 4.8 | | µg/kg dry | 4.8 | 1.7 | 1 | SW846 8260C | 21-Oct-14 | 21-Oct-14 | JEG | 1424777 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 47.8 | | µg/kg dry | 47.8 | 11.0 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 4.8 | | µg/kg dry | 4.8 | 4.2 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 4.8 | | µg/kg dry | 4.8 | 2.8 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 4.8 | | µg/kg dry | 4.8 | 2.5 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 47.8 | | µg/kg dry | 47.8 | 14.9 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 9.6 | | µg/kg dry | 9.6 | 2.9 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 4.8 | | µg/kg dry | 4.8 | 1.9 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 4.8 | | µg/kg dry | 4.8 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 4.8 | | µg/kg dry | 4.8 | 3.1 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 4.8 | | µg/kg dry | 4.8 | 2.0 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 3.4 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 2.8 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 4.8 | | µg/kg dry | 4.8 | 1.1 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 4.8 | | µg/kg dry | 4.8 | 2.7 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 4.8 | | µg/kg dry | 4.8 | 1.9 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 4.8 | | µg/kg dry | 4.8 | 1.5 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 4.8 | | µg/kg dry | 4.8 | 3.3 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 4.8 | | µg/kg dry | 4.8 | 2.9 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 4.8 | | µg/kg dry | 4.8 | 3.2 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 9.6 | | µg/kg dry | 9.6 | 2.8 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 4.8 | | µg/kg dry | 4.8 | 3.0 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 9.6 | | µg/kg dry | 9.6 | 7.0 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 4.8 | | µg/kg dry | 4.8 | 4.3 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 4.8 | | µg/kg dry | 4.8 | 2.8 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 4.8 | | µg/kg dry | 4.8 | 1.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 4.8 | | µg/kg dry | 4.8 | 1.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 47.8 | | µg/kg dry | 47.8 | 28.5 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 95.7 | | µg/kg dry | 95.7 | 64.5 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 23.9 | | µg/kg dry | 23.9 | 11.8 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1910 | | µg/kg dry | 1910 | 546 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 96 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 103 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 117 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 108 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | | |
|------------------------------|------------|--------|------|-------------------------|---------------|-----------------------------|-----------------|---------------|-----------|-----------|---------|---------|-------|
| NR-US-SEDV-03 | | | | 08-14218G3 | Soil | 15-Oct-14 11:50 | 15-Oct-14 | | | | | | |
| SB98147-62 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 75.6 | SOLr | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |

Sample Identification

NR-US-SWV-03

SB98147-63

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 11:50

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | NAA | 1424525 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SWV-03

SB98147-63

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 11:50

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | NAA | 1424525 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 99 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 105 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 85 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

NR-US-SED-04

SB98147-64

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 12:50

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.89 | | mg/kg dry | 1.89 | 0.668 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 24.4 | | mg/kg dry | 1.26 | 0.229 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.629 | | mg/kg dry | 0.629 | 0.0842 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 9.97 | | mg/kg dry | 1.26 | 0.228 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 19.9 | | mg/kg dry | 1.26 | 0.172 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 6,620 | | mg/kg dry | 5.03 | 2.28 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 81.7 | | mg/kg dry | 1.26 | 0.190 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 82.9 | | mg/kg dry | 31.4 | 7.06 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 7.23 | | mg/kg dry | 1.26 | 0.175 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 7.90 | | mg/kg dry | 1.89 | 0.875 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 54.2 | | mg/kg dry | 1.26 | 0.314 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 70.4 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |
| Total Organic Carbon | 1,960 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 0.200 | % Retained | | | | | 1 | ASTM D422 | 24-Oct-14 | 24-Oct-14 | EEM | 1425210 | |
| Fractional % Sieve #10 (4750-2000µm) | 0.300 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 0.400 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 8.10 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 45.7 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.900 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 43.0 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 1.40 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-US-SEDV-04

SB98147-65

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 12:50

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|-------------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| | | | | | | | | Initial weight: 10.99 g | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.3 | | µg/kg dry | 5.3 | 4.3 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 53.3 | | µg/kg dry | 53.3 | 28.1 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.3 | | µg/kg dry | 5.3 | 5.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.3 | | µg/kg dry | 5.3 | 4.2 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.3 | | µg/kg dry | 5.3 | 5.1 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.7 | | µg/kg dry | 10.7 | 10.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 53.3 | | µg/kg dry | 53.3 | 18.0 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.3 | | µg/kg dry | 5.3 | 4.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.3 | | µg/kg dry | 5.3 | 3.5 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.3 | | µg/kg dry | 5.3 | 3.8 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.7 | | µg/kg dry | 10.7 | 2.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.3 | | µg/kg dry | 5.3 | 2.6 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.7 | | µg/kg dry | 10.7 | 4.6 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.3 | | µg/kg dry | 5.3 | 2.8 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.7 | | µg/kg dry | 10.7 | 10.4 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.3 | | µg/kg dry | 5.3 | 2.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.3 | | µg/kg dry | 5.3 | 2.8 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.7 | | µg/kg dry | 10.7 | 6.9 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.3 | | µg/kg dry | 5.3 | 1.2 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.3 | | µg/kg dry | 5.3 | 3.0 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 2.5 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.8 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 2.9 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.7 | | µg/kg dry | 10.7 | 3.9 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.3 | | µg/kg dry | 5.3 | 2.1 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.3 | | µg/kg dry | 5.3 | 2.7 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.3 | | µg/kg dry | 5.3 | 1.8 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.3 | | µg/kg dry | 5.3 | 3.7 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.3 | | µg/kg dry | 5.3 | 2.4 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.3 | | µg/kg dry | 5.3 | 3.4 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.3 | | µg/kg dry | 5.3 | 1.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.3 | | µg/kg dry | 5.3 | 2.7 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 5.3 | | µg/kg dry | 5.3 | 1.8 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SEDV-04

SB98147-65

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 12:50

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 10.99 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 5.3 | | µg/kg dry | 5.3 | 1.9 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 53.3 | | µg/kg dry | 53.3 | 12.3 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.3 | | µg/kg dry | 5.3 | 4.7 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 5.3 | | µg/kg dry | 5.3 | 2.8 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 53.3 | | µg/kg dry | 53.3 | 16.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 10.7 | | µg/kg dry | 10.7 | 3.2 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.3 | | µg/kg dry | 5.3 | 2.1 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.3 | | µg/kg dry | 5.3 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.3 | | µg/kg dry | 5.3 | 3.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.3 | | µg/kg dry | 5.3 | 2.2 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 3.1 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.3 | | µg/kg dry | 5.3 | 1.2 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.3 | | µg/kg dry | 5.3 | 3.0 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.3 | | µg/kg dry | 5.3 | 2.1 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.3 | | µg/kg dry | 5.3 | 1.7 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.3 | | µg/kg dry | 5.3 | 3.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.3 | | µg/kg dry | 5.3 | 3.2 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.3 | | µg/kg dry | 5.3 | 3.6 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.7 | | µg/kg dry | 10.7 | 3.1 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.3 | | µg/kg dry | 5.3 | 3.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.7 | | µg/kg dry | 10.7 | 7.8 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.3 | | µg/kg dry | 5.3 | 4.8 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.3 | | µg/kg dry | 5.3 | 3.1 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.3 | | µg/kg dry | 5.3 | 1.6 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.3 | | µg/kg dry | 5.3 | 1.4 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 53.3 | | µg/kg dry | 53.3 | 31.7 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 107 | | µg/kg dry | 107 | 71.8 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 26.6 | | µg/kg dry | 26.6 | 13.1 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2130 | | µg/kg dry | 2130 | 608 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 103 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 118 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 110 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|------------------------------|------------|--------|------|-------|-------------------------|---------------|-----------------------------|-----------------|-----------|-----------|---------|---------|-------|
| NR-US-SEDV-04 | | | | | 08-14218G3 | Soil | 15-Oct-14 12:50 | 15-Oct-14 | | | | | |
| SB98147-65 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 70.4 | SOLs | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |

Sample Identification

NR-US-SWV-04

SB98147-66

Client Project

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 12:50

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|--------|------|-------|------|-----|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | NAA | 1424525 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SWV-04

SB98147-66

Client Project

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 12:50

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | NAA | 1424525 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 99 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 98 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 106 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 85 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

NR-US-SED-05

SB98147-67

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 13:05

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.99 | | mg/kg dry | 1.99 | 0.704 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 27.4 | | mg/kg dry | 1.33 | 0.241 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.663 | | mg/kg dry | 0.663 | 0.0889 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 13.2 | | mg/kg dry | 1.33 | 0.240 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 20.8 | | mg/kg dry | 1.33 | 0.182 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 7,040 | | mg/kg dry | 5.31 | 2.40 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 112 | | mg/kg dry | 1.33 | 0.200 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 83.4 | | mg/kg dry | 33.2 | 7.45 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 7.56 | | mg/kg dry | 1.33 | 0.184 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 14.1 | | mg/kg dry | 1.99 | 0.923 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 60.7 | | mg/kg dry | 1.33 | 0.332 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 71.2 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |
| Total Organic Carbon | 2,620 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 0.100 | % Retained | | | | | 1 | ASTM D422 | 24-Oct-14 | 24-Oct-14 | EEM | 1425210 | |
| Fractional % Sieve #10 (4750-2000µm) | 0.100 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 0.100 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 2.60 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 33.2 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 3.20 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 58.3 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 2.40 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-US-SEDV-05

SB98147-68

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 13:05

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|--------------------|-------------|--------------|-------------|------------|-------------------------------|------------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | <u>Initial weight: 9.67 g</u> | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.6 | | µg/kg dry | 5.6 | 4.6 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 56.5 | | µg/kg dry | 56.5 | 29.8 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.6 | | µg/kg dry | 5.6 | 3.8 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.6 | | µg/kg dry | 5.6 | 2.0 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.6 | | µg/kg dry | 5.6 | 3.8 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.6 | | µg/kg dry | 5.6 | 5.6 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.6 | | µg/kg dry | 5.6 | 4.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.6 | | µg/kg dry | 5.6 | 5.4 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 11.3 | | µg/kg dry | 11.3 | 11.1 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 56.5 | | µg/kg dry | 56.5 | 19.0 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.6 | | µg/kg dry | 5.6 | 4.7 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.6 | | µg/kg dry | 5.6 | 3.7 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.6 | | µg/kg dry | 5.6 | 4.0 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 11.3 | | µg/kg dry | 11.3 | 2.8 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.6 | | µg/kg dry | 5.6 | 2.8 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.6 | | µg/kg dry | 5.6 | 2.0 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 11.3 | | µg/kg dry | 11.3 | 4.9 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.6 | | µg/kg dry | 5.6 | 2.9 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 11.3 | | µg/kg dry | 11.3 | 11.1 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.6 | | µg/kg dry | 5.6 | 2.5 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.6 | | µg/kg dry | 5.6 | 3.0 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 11.3 | | µg/kg dry | 11.3 | 7.3 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.6 | | µg/kg dry | 5.6 | 2.0 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.6 | | µg/kg dry | 5.6 | 1.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.6 | | µg/kg dry | 5.6 | 3.1 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.6 | | µg/kg dry | 5.6 | 2.6 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.6 | | µg/kg dry | 5.6 | 4.0 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.6 | | µg/kg dry | 5.6 | 3.1 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 11.3 | | µg/kg dry | 11.3 | 4.1 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.6 | | µg/kg dry | 5.6 | 2.2 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.6 | | µg/kg dry | 5.6 | 2.9 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.6 | | µg/kg dry | 5.6 | 3.8 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.6 | | µg/kg dry | 5.6 | 1.9 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.6 | | µg/kg dry | 5.6 | 3.9 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.6 | | µg/kg dry | 5.6 | 2.6 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.6 | | µg/kg dry | 5.6 | 2.0 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.6 | | µg/kg dry | 5.6 | 3.6 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.6 | | µg/kg dry | 5.6 | 3.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.6 | | µg/kg dry | 5.6 | 1.5 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.6 | | µg/kg dry | 5.6 | 2.9 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 5.6 | | µg/kg dry | 5.6 | 1.9 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SEDV-05

SB98147-68

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 13:05

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 9.67 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 5.6 | | µg/kg dry | 5.6 | 2.1 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 56.5 | | µg/kg dry | 56.5 | 13.0 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.6 | | µg/kg dry | 5.6 | 4.9 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.6 | | µg/kg dry | 5.6 | 3.3 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 5.6 | | µg/kg dry | 5.6 | 3.0 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 56.5 | | µg/kg dry | 56.5 | 17.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 11.3 | | µg/kg dry | 11.3 | 3.4 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.6 | | µg/kg dry | 5.6 | 3.8 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.6 | | µg/kg dry | 5.6 | 2.3 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.6 | | µg/kg dry | 5.6 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.6 | | µg/kg dry | 5.6 | 3.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.6 | | µg/kg dry | 5.6 | 3.7 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.6 | | µg/kg dry | 5.6 | 3.8 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.6 | | µg/kg dry | 5.6 | 2.4 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.6 | | µg/kg dry | 5.6 | 4.0 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.6 | | µg/kg dry | 5.6 | 3.3 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.6 | | µg/kg dry | 5.6 | 1.3 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.6 | | µg/kg dry | 5.6 | 3.2 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.6 | | µg/kg dry | 5.6 | 2.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.6 | | µg/kg dry | 5.6 | 1.8 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.6 | | µg/kg dry | 5.6 | 3.9 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 5.6 | | µg/kg dry | 5.6 | 3.4 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.6 | | µg/kg dry | 5.6 | 3.5 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.6 | | µg/kg dry | 5.6 | 3.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.6 | | µg/kg dry | 5.6 | 3.8 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 11.3 | | µg/kg dry | 11.3 | 3.2 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.6 | | µg/kg dry | 5.6 | 3.6 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 11.3 | | µg/kg dry | 11.3 | 8.3 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.6 | | µg/kg dry | 5.6 | 5.1 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.6 | | µg/kg dry | 5.6 | 3.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.6 | | µg/kg dry | 5.6 | 1.7 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.6 | | µg/kg dry | 5.6 | 1.5 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 56.5 | | µg/kg dry | 56.5 | 33.7 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 113 | | µg/kg dry | 113 | 76.2 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 28.2 | | µg/kg dry | 28.2 | 13.9 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2260 | | µg/kg dry | 2260 | 644 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 104 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 119 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 109 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|------------------------------|------------|--------|------|-------|-------------------------|---------------|-----------------------------|-----------------|-----------|-----------|---------|---------|-------|
| NR-US-SEDV-05 | | | | | 08-14218G3 | Soil | 15-Oct-14 13:05 | 15-Oct-14 | | | | | |
| SB98147-68 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 71.2 | SOLt | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |

Sample Identification

NR-US-SWV-05

SB98147-69

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 13:05

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | NAA | 1424525 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SWV-05

SB98147-69

Client Project

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 13:05

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|-----------------------------------|--------|------|-------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | NAA | 1424525 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 101 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 99 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 106 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 99 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

NR-US-SED-06

SB98147-70

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 13:15

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 2.01 | | mg/kg dry | 2.01 | 0.712 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 27.0 | | mg/kg dry | 1.34 | 0.244 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.670 | | mg/kg dry | 0.670 | 0.0898 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 11.3 | | mg/kg dry | 1.34 | 0.243 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 19.8 | | mg/kg dry | 1.34 | 0.184 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 7,080 | | mg/kg dry | 5.36 | 2.43 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 236 | | mg/kg dry | 1.34 | 0.202 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 73.7 | | mg/kg dry | 33.5 | 7.53 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 8.68 | | mg/kg dry | 1.34 | 0.186 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 14.5 | | mg/kg dry | 2.01 | 0.933 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 61.7 | | mg/kg dry | 1.34 | 0.335 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 71.8 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |
| Total Organic Carbon | 5,280 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 0.00 | % Retained | | | | | 1 | ASTM D422 | 24-Oct-14 | 24-Oct-14 | EEM | 1425210 | |
| Fractional % Sieve #10 (4750-2000µm) | 5.20 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 23.5 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 23.7 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 24.1 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.100 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 20.1 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 3.20 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-US-SEDV-06

SB98147-71

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 13:15

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|--------------------|-------------|--------------|-------------|------------|-----------------|------------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | | | | | | | |
| Initial weight: 11.29 g | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.1 | | µg/kg dry | 5.1 | 4.1 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 50.5 | | µg/kg dry | 50.5 | 26.7 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.1 | | µg/kg dry | 5.1 | 3.4 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.1 | | µg/kg dry | 5.1 | 1.8 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.1 | | µg/kg dry | 5.1 | 3.4 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.1 | | µg/kg dry | 5.1 | 5.0 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.1 | | µg/kg dry | 5.1 | 3.9 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.1 | | µg/kg dry | 5.1 | 4.8 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.1 | | µg/kg dry | 10.1 | 10.0 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 50.5 | | µg/kg dry | 50.5 | 17.0 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.1 | | µg/kg dry | 5.1 | 4.2 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.1 | | µg/kg dry | 5.1 | 3.3 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.1 | | µg/kg dry | 5.1 | 3.6 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.1 | | µg/kg dry | 10.1 | 2.5 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.1 | | µg/kg dry | 5.1 | 2.5 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 1.8 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.1 | | µg/kg dry | 10.1 | 4.4 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.1 | | µg/kg dry | 5.1 | 2.6 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.1 | | µg/kg dry | 10.1 | 9.9 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.1 | | µg/kg dry | 5.1 | 2.3 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.1 | | µg/kg dry | 5.1 | 2.7 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.1 | | µg/kg dry | 10.1 | 6.6 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.1 | | µg/kg dry | 5.1 | 1.8 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.1 | | µg/kg dry | 5.1 | 1.1 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.1 | | µg/kg dry | 5.1 | 2.8 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 2.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 3.6 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 2.8 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.1 | | µg/kg dry | 10.1 | 3.7 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.1 | | µg/kg dry | 5.1 | 2.0 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.1 | | µg/kg dry | 5.1 | 2.6 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.1 | | µg/kg dry | 5.1 | 3.4 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.1 | | µg/kg dry | 5.1 | 1.7 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.1 | | µg/kg dry | 5.1 | 3.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.1 | | µg/kg dry | 5.1 | 2.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.1 | | µg/kg dry | 5.1 | 1.8 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.1 | | µg/kg dry | 5.1 | 3.2 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.1 | | µg/kg dry | 5.1 | 3.1 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.1 | | µg/kg dry | 5.1 | 1.3 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.1 | | µg/kg dry | 5.1 | 2.6 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 5.1 | | µg/kg dry | 5.1 | 1.7 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SEDV-06

SB98147-71

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 13:15

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 11.29 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 5.1 | | µg/kg dry | 5.1 | 1.8 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 50.5 | | µg/kg dry | 50.5 | 11.6 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 5.1 | | µg/kg dry | 5.1 | 4.4 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.1 | | µg/kg dry | 5.1 | 3.0 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 5.1 | | µg/kg dry | 5.1 | 2.7 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 50.5 | | µg/kg dry | 50.5 | 15.7 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 10.1 | | µg/kg dry | 10.1 | 3.0 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.1 | | µg/kg dry | 5.1 | 3.4 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.1 | | µg/kg dry | 5.1 | 2.0 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.1 | | µg/kg dry | 5.1 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.1 | | µg/kg dry | 5.1 | 3.0 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.1 | | µg/kg dry | 5.1 | 3.3 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.1 | | µg/kg dry | 5.1 | 3.4 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.1 | | µg/kg dry | 5.1 | 2.1 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 3.6 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 2.9 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.1 | | µg/kg dry | 5.1 | 1.2 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.1 | | µg/kg dry | 5.1 | 2.8 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.1 | | µg/kg dry | 5.1 | 2.0 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.1 | | µg/kg dry | 5.1 | 1.6 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.1 | | µg/kg dry | 5.1 | 3.5 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 5.1 | | µg/kg dry | 5.1 | 3.0 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.1 | | µg/kg dry | 5.1 | 3.1 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.1 | | µg/kg dry | 5.1 | 3.0 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.1 | | µg/kg dry | 5.1 | 3.4 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.1 | | µg/kg dry | 10.1 | 2.9 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.1 | | µg/kg dry | 5.1 | 3.2 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.1 | | µg/kg dry | 10.1 | 7.4 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 5.1 | | µg/kg dry | 5.1 | 4.6 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.1 | | µg/kg dry | 5.1 | 2.9 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 5.1 | | µg/kg dry | 5.1 | 1.5 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 5.1 | | µg/kg dry | 5.1 | 1.4 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 50.5 | | µg/kg dry | 50.5 | 30.1 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 101 | | µg/kg dry | 101 | 68.2 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 25.3 | | µg/kg dry | 25.3 | 12.5 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2020 | | µg/kg dry | 2020 | 577 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 103 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 117 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 108 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|------------------------------|------------|--------|------|-------|-------------------------|---------------|-----------------------------|-----------------|-----------|-----------|---------|---------|-------|
| NR-US-SEDV-06 | | | | | 08-14218G3 | Soil | 15-Oct-14 13:15 | 15-Oct-14 | | | | | |
| SB98147-71 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 71.8 | SOLu | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |

Sample Identification

NR-US-SWV-06

SB98147-72

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 13:15

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | NAA | 1424525 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SWV-06

SB98147-72

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 13:15

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | NAA | 1424525 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 100 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 99 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 105 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 96 | | | 70-130 % | | " | " | " | " | " | " | |

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Sample Identification

NR-US-SED-07

SB98147-73

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 13:30

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.76 | | mg/kg dry | 1.76 | 0.622 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 19.3 | | mg/kg dry | 1.17 | 0.213 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.586 | | mg/kg dry | 0.586 | 0.0785 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 9.30 | | mg/kg dry | 1.17 | 0.212 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 16.9 | | mg/kg dry | 1.17 | 0.161 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 7,210 | | mg/kg dry | 4.69 | 2.12 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 113 | | mg/kg dry | 1.17 | 0.177 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 88.8 | | mg/kg dry | 29.3 | 6.58 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 6.08 | | mg/kg dry | 1.17 | 0.163 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 12.5 | | mg/kg dry | 1.76 | 0.816 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 41.6 | | mg/kg dry | 1.17 | 0.293 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|-------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 76.2 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |
| Total Organic Carbon | 2,870 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 1.10 | % Retained | | | | | 1 | ASTM D422 | 24-Oct-14 | 24-Oct-14 | EEM | 1425210 | |
| Fractional % Sieve #10 (4750-2000µm) | 7.10 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 48.5 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 29.5 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 8.60 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.200 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 4.50 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.600 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-US-SEDV-07

SB98147-74

Client Project

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 13:30

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| Initial weight: 12.87 g | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 4.1 | | µg/kg dry | 4.1 | 3.3 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 41.1 | | µg/kg dry | 41.1 | 21.7 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 4.1 | | µg/kg dry | 4.1 | 1.5 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 4.1 | | µg/kg dry | 4.1 | 4.1 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 4.1 | | µg/kg dry | 4.1 | 3.2 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 4.1 | | µg/kg dry | 4.1 | 3.9 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 8.2 | | µg/kg dry | 8.2 | 8.1 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 41.1 | | µg/kg dry | 41.1 | 13.9 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 4.1 | | µg/kg dry | 4.1 | 3.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 4.1 | | µg/kg dry | 4.1 | 2.9 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 8.2 | | µg/kg dry | 8.2 | 2.1 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 4.1 | | µg/kg dry | 4.1 | 2.0 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 1.4 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 8.2 | | µg/kg dry | 8.2 | 3.5 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 4.1 | | µg/kg dry | 4.1 | 2.1 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 8.2 | | µg/kg dry | 8.2 | 8.1 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 4.1 | | µg/kg dry | 4.1 | 1.8 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 4.1 | | µg/kg dry | 4.1 | 2.2 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 8.2 | | µg/kg dry | 8.2 | 5.3 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 4.1 | | µg/kg dry | 4.1 | 1.5 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 4.1 | | µg/kg dry | 4.1 | 0.9 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 4.1 | | µg/kg dry | 4.1 | 2.3 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 1.9 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.9 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.3 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 8.2 | | µg/kg dry | 8.2 | 3.0 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 4.1 | | µg/kg dry | 4.1 | 1.6 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 4.1 | | µg/kg dry | 4.1 | 2.1 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 4.1 | | µg/kg dry | 4.1 | 1.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 4.1 | | µg/kg dry | 4.1 | 1.9 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 4.1 | | µg/kg dry | 4.1 | 1.4 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 4.1 | | µg/kg dry | 4.1 | 2.6 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 4.1 | | µg/kg dry | 4.1 | 2.5 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 4.1 | | µg/kg dry | 4.1 | 1.1 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 4.1 | | µg/kg dry | 4.1 | 2.1 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 4.1 | | µg/kg dry | 4.1 | 1.4 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SEDV-07

SB98147-74

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 13:30

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 12.87 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 4.1 | | µg/kg dry | 4.1 | 1.5 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 41.1 | | µg/kg dry | 41.1 | 9.5 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 4.1 | | µg/kg dry | 4.1 | 3.6 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 4.1 | | µg/kg dry | 4.1 | 2.4 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 4.1 | | µg/kg dry | 4.1 | 2.2 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 41.1 | | µg/kg dry | 41.1 | 12.8 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 8.2 | | µg/kg dry | 8.2 | 2.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 4.1 | | µg/kg dry | 4.1 | 1.7 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 4.1 | | µg/kg dry | 4.1 | 0.2 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 4.1 | | µg/kg dry | 4.1 | 2.5 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 4.1 | | µg/kg dry | 4.1 | 1.7 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.9 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 2.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 4.1 | | µg/kg dry | 4.1 | 1.0 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 4.1 | | µg/kg dry | 4.1 | 2.3 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 4.1 | | µg/kg dry | 4.1 | 1.7 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 4.1 | | µg/kg dry | 4.1 | 1.3 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 4.1 | | µg/kg dry | 4.1 | 2.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 4.1 | | µg/kg dry | 4.1 | 2.5 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 4.1 | | µg/kg dry | 4.1 | 2.5 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 4.1 | | µg/kg dry | 4.1 | 2.5 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 4.1 | | µg/kg dry | 4.1 | 2.7 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 8.2 | | µg/kg dry | 8.2 | 2.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 4.1 | | µg/kg dry | 4.1 | 2.6 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 8.2 | | µg/kg dry | 8.2 | 6.0 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 4.1 | | µg/kg dry | 4.1 | 3.7 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 4.1 | | µg/kg dry | 4.1 | 2.4 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 4.1 | | µg/kg dry | 4.1 | 1.2 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 4.1 | | µg/kg dry | 4.1 | 1.1 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 41.1 | | µg/kg dry | 41.1 | 24.5 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 82.2 | | µg/kg dry | 82.2 | 55.4 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 20.6 | | µg/kg dry | 20.6 | 10.1 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1640 | | µg/kg dry | 1640 | 469 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 96 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 103 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 116 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 107 | | | 70-130 % | | " | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|------------------------------|------------|--------|------|-------|-------------------------|---------------|-----------------------------|-----------------|-----------|-----------|---------|---------|-------|
| NR-US-SEDV-07 | | | | | 08-14218G3 | Soil | 15-Oct-14 13:30 | 15-Oct-14 | | | | | |
| SB98147-74 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 76.2 | SOLv | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |

Sample Identification

NR-US-SWV-07

SB98147-75

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 13:30

Received

15-Oct-14

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | NAA | 1424525 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SWV-07

SB98147-75

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

15-Oct-14 13:30

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | NAA | 1424525 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 105 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 85 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

NR-US-SED-08

SB98147-76

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 13:40

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-38-2 | Arsenic | < 1.80 | | mg/kg dry | 1.80 | 0.636 | 1 | SW846 6010C | 22-Oct-14 | 27-Oct-14 | TBC | 1424871 | X |
| 7440-39-3 | Barium | 18.6 | | mg/kg dry | 1.20 | 0.218 | 1 | " | " | " | " | " | X |
| 7440-43-9 | Cadmium | < 0.599 | | mg/kg dry | 0.599 | 0.0803 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 10.1 | | mg/kg dry | 1.20 | 0.217 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 20.8 | | mg/kg dry | 1.20 | 0.164 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 8,080 | | mg/kg dry | 4.79 | 2.17 | 1 | " | " | " | " | " | X |
| 7439-96-5 | Manganese | 219 | | mg/kg dry | 1.20 | 0.181 | 1 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 55.3 | | mg/kg dry | 30.0 | 6.73 | 1 | " | " | " | " | " | X |
| 7440-02-0 | Nickel | 8.32 | | mg/kg dry | 1.20 | 0.167 | 1 | " | " | " | " | " | X |
| 7439-92-1 | Lead | 6.06 | | mg/kg dry | 1.80 | 0.834 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 47.6 | | mg/kg dry | 1.20 | 0.300 | 1 | " | " | " | " | " | X |

General Chemistry Parameters

| | | | | | | | | | | | | | |
|----------------------|------|-------|--|--|-----|------|---|---------------|-----------|-----------|-----|---------|---|
| % Solids | 77.2 | % | | | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |
| Total Organic Carbon | 260 | mg/kg | | | 100 | 44.9 | 1 | Lloyd Kahn | 24-Oct-14 | 24-Oct-14 | DJB | 1425331 | X |

Toxicity CharacteristicsGrain Size - Reported as % retained.Prepared by method General Preparation

| | | | | | | | | | | | | | |
|---|-------|---------------|--|--|--|--|---|-----------|-----------|-----------|-----|---------|--|
| Fractional % Sieve #4 (>4750µm) | 0.600 | % Retained | | | | | 1 | ASTM D422 | 24-Oct-14 | 24-Oct-14 | EEM | 1425210 | |
| Fractional % Sieve #10 (4750-2000µm) | 9.20 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #20 (2000-850µm) | 45.0 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #40 (850-425µm) | 36.9 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #60 (425-250µm) | 6.70 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #100 (250-150µm) | 0.700 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #200 (150-75µm) | 0.900 | % Retained | | | | | 1 | " | " | " | " | " | |
| Fractional % Sieve #230 (less than 75µm) | 0.100 | % Retained | | | | | 1 | " | " | " | " | " | |

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Sample Identification

NR-US-SEDV-08

SB98147-77

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 13:40

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|-----------------|------|-----------|------|------|----------|---------------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| | VOC Extraction | Field extracted | | N/A | | | 1 | VOC Soil Extraction | | | BD | 1424453 | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5035A Soil (low level) | | | | | | | | | | | | | |
| Initial weight: 13.32 g | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 3.9 | | µg/kg dry | 3.9 | 3.2 | 1 | SW846 8260C | 21-Oct-14 | 21-Oct-14 | JEG | 1424777 | X |
| 67-64-1 | Acetone | < 39.1 | | µg/kg dry | 39.1 | 20.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 3.9 | | µg/kg dry | 3.9 | 2.6 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 3.9 | | µg/kg dry | 3.9 | 1.4 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 3.9 | | µg/kg dry | 3.9 | 2.6 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 3.9 | | µg/kg dry | 3.9 | 3.9 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 3.9 | | µg/kg dry | 3.9 | 3.1 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 3.9 | | µg/kg dry | 3.9 | 3.7 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 7.8 | | µg/kg dry | 7.8 | 7.7 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 39.1 | | µg/kg dry | 39.1 | 13.2 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 3.9 | | µg/kg dry | 3.9 | 3.2 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 3.9 | | µg/kg dry | 3.9 | 2.5 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 3.9 | | µg/kg dry | 3.9 | 2.8 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 7.8 | | µg/kg dry | 7.8 | 2.0 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 3.9 | | µg/kg dry | 3.9 | 1.9 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 1.4 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 7.8 | | µg/kg dry | 7.8 | 3.4 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 3.9 | | µg/kg dry | 3.9 | 2.0 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 7.8 | | µg/kg dry | 7.8 | 7.7 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 3.9 | | µg/kg dry | 3.9 | 1.8 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 3.9 | | µg/kg dry | 3.9 | 2.1 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 7.8 | | µg/kg dry | 7.8 | 5.1 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 3.9 | | µg/kg dry | 3.9 | 1.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 3.9 | | µg/kg dry | 3.9 | 0.9 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 3.9 | | µg/kg dry | 3.9 | 2.2 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 1.8 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 2.8 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 2.2 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 7.8 | | µg/kg dry | 7.8 | 2.8 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 3.9 | | µg/kg dry | 3.9 | 1.5 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 3.9 | | µg/kg dry | 3.9 | 2.0 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 3.9 | | µg/kg dry | 3.9 | 2.6 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 3.9 | | µg/kg dry | 3.9 | 1.3 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 3.9 | | µg/kg dry | 3.9 | 2.7 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 3.9 | | µg/kg dry | 3.9 | 1.8 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 3.9 | | µg/kg dry | 3.9 | 1.4 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 3.9 | | µg/kg dry | 3.9 | 2.5 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 3.9 | | µg/kg dry | 3.9 | 2.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 3.9 | | µg/kg dry | 3.9 | 1.0 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 3.9 | | µg/kg dry | 3.9 | 2.0 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 3.9 | | µg/kg dry | 3.9 | 1.3 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SEDV-08

SB98147-77

Client Project #

08-14218G3

Matrix

Soil

Collection Date/Time

15-Oct-14 13:40

Received

15-Oct-14

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level)

Initial weight: 13.32 g

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 87-68-3 | Hexachlorobutadiene | < 3.9 | | µg/kg dry | 3.9 | 1.4 | 1 | SW846 8260C | 21-Oct-14 | 21-Oct-14 | JEG | 1424777 | X |
| 591-78-6 | 2-Hexanone (MBK) | < 39.1 | | µg/kg dry | 39.1 | 9.0 | 1 | " | " | " | " | " | X |
| 98-82-8 | Isopropylbenzene | < 3.9 | | µg/kg dry | 3.9 | 3.4 | 1 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 3.9 | | µg/kg dry | 3.9 | 2.3 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 3.9 | | µg/kg dry | 3.9 | 2.1 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 39.1 | | µg/kg dry | 39.1 | 12.1 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 7.8 | | µg/kg dry | 7.8 | 2.4 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 3.9 | | µg/kg dry | 3.9 | 2.7 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 3.9 | | µg/kg dry | 3.9 | 1.6 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 3.9 | | µg/kg dry | 3.9 | 0.2 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 3.9 | | µg/kg dry | 3.9 | 2.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 3.9 | | µg/kg dry | 3.9 | 2.6 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 3.9 | | µg/kg dry | 3.9 | 2.7 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 3.9 | | µg/kg dry | 3.9 | 1.6 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 2.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 2.3 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 3.9 | | µg/kg dry | 3.9 | 0.9 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 3.9 | | µg/kg dry | 3.9 | 2.2 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 3.9 | | µg/kg dry | 3.9 | 1.6 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 3.9 | | µg/kg dry | 3.9 | 1.3 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 3.9 | | µg/kg dry | 3.9 | 2.7 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 3.9 | | µg/kg dry | 3.9 | 2.4 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 3.9 | | µg/kg dry | 3.9 | 2.4 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 3.9 | | µg/kg dry | 3.9 | 2.3 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 3.9 | | µg/kg dry | 3.9 | 2.6 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 7.8 | | µg/kg dry | 7.8 | 2.2 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 3.9 | | µg/kg dry | 3.9 | 2.5 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 7.8 | | µg/kg dry | 7.8 | 5.7 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 3.9 | | µg/kg dry | 3.9 | 3.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 3.9 | | µg/kg dry | 3.9 | 2.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 3.9 | | µg/kg dry | 3.9 | 1.2 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 3.9 | | µg/kg dry | 3.9 | 1.1 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 39.1 | | µg/kg dry | 39.1 | 23.3 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 78.2 | | µg/kg dry | 78.2 | 52.7 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 19.6 | | µg/kg dry | 19.6 | 9.6 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 1560 | | µg/kg dry | 1560 | 446 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 103 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 116 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 107 | | | 70-130 % | | | " | " | " | " | " | |

General Chemistry Parameters

This laboratory report is not valid without an authorized signature on the cover page.

| <u>Sample Identification</u> | | | | | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> | | | | | |
|------------------------------|------------|--------|------|-------|-------------------------|---------------|-----------------------------|-----------------|-----------|-----------|---------|---------|-------|
| NR-US-SEDV-08 | | | | | 08-14218G3 | Soil | 15-Oct-14 13:40 | 15-Oct-14 | | | | | |
| SB98147-77 | | | | | | | | | | | | | |
| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | % Solids | 77.2 | SOLw | % | | | 1 | SM2540 G Mod. | 16-Oct-14 | 16-Oct-14 | DT | 1424443 | |

Sample Identification

NR-US-SWV-08

SB98147-78

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 13:40

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | 0.7 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | NAA | 1424525 | X |
| 67-64-1 | Acetone | < 10.0 | | µg/l | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | 3.1 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 2.0 | | µg/l | 2.0 | 0.7 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | 0.3 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | 0.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.2 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | 0.4 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | 2.0 | 1 | " | " | " | " | " | X |

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Sample Identification

NR-US-SWV-08

SB98147-78

Client Project #

08-14218G3

Matrix

Surface Water

Collection Date/Time

14-Oct-14 13:40

Received

15-Oct-14

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | SW846 8260C | 17-Oct-14 | 17-Oct-14 | NAA | 1424525 | X |
| 99-87-6 | 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 2.0 | | µg/l | 2.0 | 0.5 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | 0.5 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | 0.6 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | 0.8 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 1.0 | | µg/l | 1.0 | 1.0 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 2.0 | | µg/l | 2.0 | 0.4 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | 0.8 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 1.0 | | µg/l | 1.0 | 0.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | 8.9 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | 14.6 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 5.0 | | µg/l | 5.0 | 1.0 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 400 | | µg/l | 400 | 80.8 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 103 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 97 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 107 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 88 | | | 70-130 % | | | " | " | " | " | " | |

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Sample Identification

| | | | | |
|------------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-2-Soil | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> |
| SB98147-79 | 08-14218G3 | Trip Blank | 15-Oct-14 07:00 | 15-Oct-14 |

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.0 | | µg/kg wet | 5.0 | 4.0 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 50.0 | | µg/kg wet | 50.0 | 26.4 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.0 | | µg/kg wet | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.0 | | µg/kg wet | 5.0 | 5.0 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.0 | | µg/kg wet | 5.0 | 3.9 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.0 | | µg/kg wet | 5.0 | 4.8 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.0 | | µg/kg wet | 10.0 | 9.9 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 50.0 | | µg/kg wet | 50.0 | 16.9 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | 4.1 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.0 | | µg/kg wet | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.0 | | µg/kg wet | 5.0 | 2.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.0 | | µg/kg wet | 10.0 | 4.3 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.0 | | µg/kg wet | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.0 | | µg/kg wet | 10.0 | 9.8 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | 2.2 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.0 | | µg/kg wet | 10.0 | 6.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.0 | | µg/kg wet | 5.0 | 1.1 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.0 | | µg/kg wet | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 2.3 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.0 | | µg/kg wet | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | 2.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | 1.3 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | 2.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 5.0 | | µg/kg wet | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 50.0 | | µg/kg wet | 50.0 | 11.5 | 1 | " | " | " | " | " | X |

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Sample Identification

| | | | | |
|------------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-2-Soil | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> |
| SB98147-79 | 08-14218G3 | Trip Blank | 15-Oct-14 07:00 | 15-Oct-14 |

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic CompoundsVolatile Organic Compounds by SW846 8260Prepared by method SW846 5035A Soil (low level)

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 5.0 | | µg/kg wet | 5.0 | 4.4 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 50.0 | | µg/kg wet | 50.0 | 15.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 10.0 | | µg/kg wet | 10.0 | 3.0 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.0 | | µg/kg wet | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.0 | | µg/kg wet | 5.0 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.0 | | µg/kg wet | 5.0 | 2.1 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 2.9 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 1.2 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.0 | | µg/kg wet | 5.0 | 1.6 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | 3.1 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.0 | | µg/kg wet | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.0 | | µg/kg wet | 10.0 | 2.9 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.0 | | µg/kg wet | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.0 | | µg/kg wet | 10.0 | 7.3 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 5.0 | | µg/kg wet | 5.0 | 4.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.0 | | µg/kg wet | 5.0 | 2.9 | 1 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | 1.5 | 1 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | < 5.0 | | µg/kg wet | 5.0 | 1.4 | 1 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 50.0 | | µg/kg wet | 50.0 | 29.8 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 100 | | µg/kg wet | 100 | 67.4 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 25.0 | | µg/kg wet | 25.0 | 12.3 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2000 | | µg/kg wet | 2000 | 570 | 1 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 97 | | | 70-130 % | " | " | " | " | " |
| 2037-26-5 | Toluene-d8 | 104 | | | 70-130 % | " | " | " | " | " |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 118 | | | 70-130 % | " | " | " | " | " |
| 1868-53-7 | Dibromofluoromethane | 110 | | | 70-130 % | " | " | " | " | " |

Re-analysis of Volatile Organic Compoundsby SW846 8260Prepared by method SW846 5035A Soil (high level)*This laboratory report is not valid without an authorized signature on the cover page.*

Sample Identification

| | | | | |
|------------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-2-Soil | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> |
| SB98147-79 | 08-14218G3 | Trip Blank | 15-Oct-14 07:00 | 15-Oct-14 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|--|--------|------|-----------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Re-analysis of Volatile Organic Compounds</u> | | | | | | | | | | | | | |
| <u>by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (high level)</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 50.0 | D | µg/kg wet | 50.0 | 40.5 | 50 | SW846 8260C | 22-Oct-14 | 22-Oct-14 | SJB | 1424921 | X |
| 67-64-1 | Acetone | < 500 | D | µg/kg wet | 500 | 264 | 50 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 50.0 | D | µg/kg wet | 50.0 | 33.4 | 50 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 50.0 | D | µg/kg wet | 50.0 | 18.0 | 50 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 50.0 | D | µg/kg wet | 50.0 | 33.7 | 50 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | 49.6 | 50 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 50.0 | D | µg/kg wet | 50.0 | 39.0 | 50 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 50.0 | D | µg/kg wet | 50.0 | 47.9 | 50 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 100 | D | µg/kg wet | 100 | 98.6 | 50 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 500 | D | µg/kg wet | 500 | 169 | 50 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 41.2 | 50 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 32.4 | 50 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 35.6 | 50 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 100 | D | µg/kg wet | 100 | 25.0 | 50 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 50.0 | D | µg/kg wet | 50.0 | 24.4 | 50 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 17.5 | 50 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 100 | D | µg/kg wet | 100 | 43.2 | 50 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 50.0 | D | µg/kg wet | 50.0 | 26.0 | 50 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 100 | D | µg/kg wet | 100 | 98.0 | 50 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | 22.4 | 50 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | 26.4 | 50 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 100 | D | µg/kg wet | 100 | 65.0 | 50 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | 18.0 | 50 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 50.0 | D | µg/kg wet | 50.0 | 11.4 | 50 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 50.0 | D | µg/kg wet | 50.0 | 27.8 | 50 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 23.4 | 50 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 35.6 | 50 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 27.6 | 50 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 100 | D | µg/kg wet | 100 | 36.4 | 50 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | 19.5 | 50 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | 25.4 | 50 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | 33.4 | 50 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | 17.0 | 50 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | 34.4 | 50 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | 22.6 | 50 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | 17.5 | 50 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | 31.5 | 50 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | 30.2 | 50 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | 13.2 | 50 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | 25.3 | 50 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 16.8 | 50 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 50.0 | D | µg/kg wet | 50.0 | 18.2 | 50 | " | " | " | " | " | X |

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Sample Identification

| | | | | |
|------------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-2-Soil | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> |
| SB98147-79 | 08-14218G3 | Trip Blank | 15-Oct-14 07:00 | 15-Oct-14 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic CompoundsRe-analysis of Volatile Organic Compoundsby SW846 8260Prepared by method SW846 5035A Soil (high level)

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|---------|---|-----------|-------|------|----|-------------|-----------|-----------|-----|---------|---|
| 591-78-6 | 2-Hexanone (MBK) | < 500 | D | µg/kg wet | 500 | 115 | 50 | SW846 8260C | 22-Oct-14 | 22-Oct-14 | SJB | 1424921 | X |
| 98-82-8 | Isopropylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 43.7 | 50 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 50.0 | D | µg/kg wet | 50.0 | 29.6 | 50 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | 26.4 | 50 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 500 | D | µg/kg wet | 500 | 155 | 50 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 100 | D | µg/kg wet | 100 | 30.2 | 50 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 50.0 | D | µg/kg wet | 50.0 | 34.0 | 50 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 20.1 | 50 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 50.0 | D | µg/kg wet | 50.0 | 3.0 | 50 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | 30.0 | 50 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | 32.8 | 50 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 50.0 | D | µg/kg wet | 50.0 | 34.0 | 50 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 50.0 | D | µg/kg wet | 50.0 | 21.0 | 50 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 35.5 | 50 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 29.2 | 50 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 11.7 | 50 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | 28.2 | 50 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | 20.1 | 50 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 50.0 | D | µg/kg wet | 50.0 | 16.0 | 50 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 50.0 | D | µg/kg wet | 50.0 | 34.2 | 50 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 50.0 | D | µg/kg wet | 50.0 | 30.0 | 50 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 30.6 | 50 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 30.0 | 50 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 50.0 | D | µg/kg wet | 50.0 | 33.4 | 50 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 100 | D | µg/kg wet | 100 | 28.8 | 50 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 50.0 | D | µg/kg wet | 50.0 | 31.6 | 50 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 100 | D | µg/kg wet | 100 | 73.4 | 50 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 50.0 | D | µg/kg wet | 50.0 | 45.2 | 50 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 50.0 | D | µg/kg wet | 50.0 | 29.2 | 50 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | 14.8 | 50 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | < 50.0 | D | µg/kg wet | 50.0 | 13.6 | 50 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 500 | D | µg/kg wet | 500 | 298 | 50 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 1000 | D | µg/kg wet | 1000 | 674 | 50 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 250 | D | µg/kg wet | 250 | 123 | 50 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 20000 | D | µg/kg wet | 20000 | 5700 | 50 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | |
|------------|-----------------------|-----|--|----------|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 104 | | 70-130 % | " | " | " | " | " |
| 2037-26-5 | Toluene-d8 | 99 | | 70-130 % | " | " | " | " | " |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 102 | | 70-130 % | " | " | " | " | " |
| 1868-53-7 | Dibromofluoromethane | 95 | | 70-130 % | " | " | " | " | " |

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Sample Identification

| | | | | |
|------------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-3-Soil | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> |
| SB98147-80 | 08-14218G3 | Trip Blank | 15-Oct-14 07:00 | 15-Oct-14 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|--------|------|-----------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Compounds by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (low level)</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.0 | | µg/kg wet | 5.0 | 4.0 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 67-64-1 | Acetone | < 50.0 | | µg/kg wet | 50.0 | 26.4 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 5.0 | | µg/kg wet | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 5.0 | | µg/kg wet | 5.0 | 5.0 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 5.0 | | µg/kg wet | 5.0 | 3.9 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 5.0 | | µg/kg wet | 5.0 | 4.8 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 10.0 | | µg/kg wet | 10.0 | 9.9 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 50.0 | | µg/kg wet | 50.0 | 16.9 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | 4.1 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 10.0 | | µg/kg wet | 10.0 | 2.5 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 5.0 | | µg/kg wet | 5.0 | 2.4 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 10.0 | | µg/kg wet | 10.0 | 4.3 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 5.0 | | µg/kg wet | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 10.0 | | µg/kg wet | 10.0 | 9.8 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | 2.2 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 10.0 | | µg/kg wet | 10.0 | 6.5 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 5.0 | | µg/kg wet | 5.0 | 1.1 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 5.0 | | µg/kg wet | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 2.3 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 10.0 | | µg/kg wet | 10.0 | 3.6 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | 2.5 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | 2.3 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | 1.3 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | 2.5 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 5.0 | | µg/kg wet | 5.0 | 1.7 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 5.0 | | µg/kg wet | 5.0 | 1.8 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 50.0 | | µg/kg wet | 50.0 | 11.5 | 1 | " | " | " | " | " | X |

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Sample Identification

| | | | | |
|------------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-3-Soil | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> |
| SB98147-80 | 08-14218G3 | Trip Blank | 15-Oct-14 07:00 | 15-Oct-14 |

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic CompoundsVolatile Organic Compounds by SW846 8260Prepared by method SW846 5035A Soil (low level)

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|--|-----------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 5.0 | | µg/kg wet | 5.0 | 4.4 | 1 | SW846 8260C | 20-Oct-14 | 21-Oct-14 | JEG | 1424672 | X |
| 99-87-6 | 4-Isopropyltoluene | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | 2.6 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 50.0 | | µg/kg wet | 50.0 | 15.5 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 10.0 | | µg/kg wet | 10.0 | 3.0 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 5.0 | | µg/kg wet | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 5.0 | | µg/kg wet | 5.0 | 0.3 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 5.0 | | µg/kg wet | 5.0 | 2.1 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 3.6 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 2.9 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | 1.2 | 1 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | 2.8 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | 2.0 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 5.0 | | µg/kg wet | 5.0 | 1.6 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 5.0 | | µg/kg wet | 5.0 | 3.4 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | 3.1 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | 3.0 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 5.0 | | µg/kg wet | 5.0 | 3.3 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 10.0 | | µg/kg wet | 10.0 | 2.9 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 5.0 | | µg/kg wet | 5.0 | 3.2 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 10.0 | | µg/kg wet | 10.0 | 7.3 | 1 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 5.0 | | µg/kg wet | 5.0 | 4.5 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 5.0 | | µg/kg wet | 5.0 | 2.9 | 1 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | 1.5 | 1 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | < 5.0 | | µg/kg wet | 5.0 | 1.4 | 1 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 50.0 | | µg/kg wet | 50.0 | 29.8 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 100 | | µg/kg wet | 100 | 67.4 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 25.0 | | µg/kg wet | 25.0 | 12.3 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 2000 | | µg/kg wet | 2000 | 570 | 1 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | |
|------------|-----------------------|-----|----------|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 98 | 70-130 % | " | " | " | " | " |
| 2037-26-5 | Toluene-d8 | 104 | 70-130 % | " | " | " | " | " |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 117 | 70-130 % | " | " | " | " | " |
| 1868-53-7 | Dibromofluoromethane | 105 | 70-130 % | " | " | " | " | " |

Re-analysis of Volatile Organic Compoundsby SW846 8260Prepared by method SW846 5035A Soil (high level)*This laboratory report is not valid without an authorized signature on the cover page.*

Sample Identification

| | | | | |
|------------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-3-Soil | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> |
| SB98147-80 | 08-14218G3 | Trip Blank | 15-Oct-14 07:00 | 15-Oct-14 |

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Re-analysis of Volatile Organic Compounds</u> | | | | | | | | | | | | | |
| <u>by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5035A Soil (high level)</u> | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 50.0 | D | µg/kg wet | 50.0 | 40.5 | 50 | SW846 8260C | 23-Oct-14 | 23-Oct-14 | SJB | 1425049 | X |
| 67-64-1 | Acetone | < 500 | D | µg/kg wet | 500 | 264 | 50 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 50.0 | D | µg/kg wet | 50.0 | 33.4 | 50 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 50.0 | D | µg/kg wet | 50.0 | 18.0 | 50 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 50.0 | D | µg/kg wet | 50.0 | 33.7 | 50 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | 49.6 | 50 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 50.0 | D | µg/kg wet | 50.0 | 39.0 | 50 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 50.0 | D | µg/kg wet | 50.0 | 47.9 | 50 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 100 | D | µg/kg wet | 100 | 98.6 | 50 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 500 | D | µg/kg wet | 500 | 169 | 50 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 41.2 | 50 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 32.4 | 50 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 35.6 | 50 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 100 | D | µg/kg wet | 100 | 25.0 | 50 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 50.0 | D | µg/kg wet | 50.0 | 24.4 | 50 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 17.5 | 50 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 100 | D | µg/kg wet | 100 | 43.2 | 50 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 50.0 | D | µg/kg wet | 50.0 | 26.0 | 50 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 100 | D | µg/kg wet | 100 | 98.0 | 50 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | 22.4 | 50 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | 26.4 | 50 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 100 | D | µg/kg wet | 100 | 65.0 | 50 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | 18.0 | 50 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 50.0 | D | µg/kg wet | 50.0 | 11.4 | 50 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 50.0 | D | µg/kg wet | 50.0 | 27.8 | 50 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 23.4 | 50 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 35.6 | 50 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 27.6 | 50 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 100 | D | µg/kg wet | 100 | 36.4 | 50 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | 19.5 | 50 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | 25.4 | 50 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | 33.4 | 50 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | 17.0 | 50 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | 34.4 | 50 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | 22.6 | 50 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | 17.5 | 50 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | 31.5 | 50 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | 30.2 | 50 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | 13.2 | 50 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | 25.3 | 50 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 16.8 | 50 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 50.0 | D | µg/kg wet | 50.0 | 18.2 | 50 | " | " | " | " | " | X |

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Sample Identification

| | | | | |
|------------------|-------------------------|---------------|-----------------------------|-----------------|
| TB-3-Soil | <u>Client Project #</u> | <u>Matrix</u> | <u>Collection Date/Time</u> | <u>Received</u> |
| SB98147-80 | 08-14218G3 | Trip Blank | 15-Oct-14 07:00 | 15-Oct-14 |

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic CompoundsRe-analysis of Volatile Organic Compoundsby SW846 8260Prepared by method SW846 5035A Soil (high level)

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|---------|---|-----------|-------|------|----|-------------|-----------|-----------|-----|---------|---|
| 591-78-6 | 2-Hexanone (MBK) | < 500 | D | µg/kg wet | 500 | 115 | 50 | SW846 8260C | 23-Oct-14 | 23-Oct-14 | SJB | 1425049 | X |
| 98-82-8 | Isopropylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 43.7 | 50 | " | " | " | " | " | X |
| 99-87-6 | 4-Isopropyltoluene | < 50.0 | D | µg/kg wet | 50.0 | 29.6 | 50 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | 26.4 | 50 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 500 | D | µg/kg wet | 500 | 155 | 50 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 100 | D | µg/kg wet | 100 | 30.2 | 50 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 50.0 | D | µg/kg wet | 50.0 | 34.0 | 50 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 20.1 | 50 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 50.0 | D | µg/kg wet | 50.0 | 3.0 | 50 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | 30.0 | 50 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | 32.8 | 50 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 50.0 | D | µg/kg wet | 50.0 | 34.0 | 50 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 50.0 | D | µg/kg wet | 50.0 | 21.0 | 50 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 35.5 | 50 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 29.2 | 50 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | 11.7 | 50 | " | " | " | " | " | |
| 71-55-6 | 1,1,1-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | 28.2 | 50 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | 20.1 | 50 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 50.0 | D | µg/kg wet | 50.0 | 16.0 | 50 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 50.0 | D | µg/kg wet | 50.0 | 34.2 | 50 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 50.0 | D | µg/kg wet | 50.0 | 30.0 | 50 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 30.6 | 50 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | 30.0 | 50 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 50.0 | D | µg/kg wet | 50.0 | 33.4 | 50 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 100 | D | µg/kg wet | 100 | 28.8 | 50 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 50.0 | D | µg/kg wet | 50.0 | 31.6 | 50 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 100 | D | µg/kg wet | 100 | 73.4 | 50 | " | " | " | " | " | |
| 60-29-7 | Ethyl ether | < 50.0 | D | µg/kg wet | 50.0 | 45.2 | 50 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 50.0 | D | µg/kg wet | 50.0 | 29.2 | 50 | " | " | " | " | " | |
| 637-92-3 | Ethyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | 14.8 | 50 | " | " | " | " | " | |
| 108-20-3 | Di-isopropyl ether | < 50.0 | D | µg/kg wet | 50.0 | 13.6 | 50 | " | " | " | " | " | |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 500 | D | µg/kg wet | 500 | 298 | 50 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 1000 | D | µg/kg wet | 1000 | 674 | 50 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-buten e | < 250 | D | µg/kg wet | 250 | 123 | 50 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 20000 | D | µg/kg wet | 20000 | 5700 | 50 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|---|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 102 | | | 70-130 % | | " | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 98 | | | 70-130 % | | " | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 100 | | | 70-130 % | | " | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 95 | | | 70-130 % | | " | " | " | " | " | " | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | | | | | | |
| Blank (1424512-BLK1) | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Acetone | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Acrylonitrile | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Benzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromochloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromodichloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromoform | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromomethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 2-Butanone (MEK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| n-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| sec-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| tert-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Carbon disulfide | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Carbon tetrachloride | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chloroethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Chloroform | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chloromethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 2-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Dibromochloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Dibromomethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,4-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 1,1-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| cis-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| trans-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 2,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| cis-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| trans-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Ethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Hexachlorobutadiene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 2-Hexanone (MBK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Isopropylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Isopropyltoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Methyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Methylene chloride | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Naphthalene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| n-Propylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Styrene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|-------------|------|------------------|------|--|---------------|------------|---------------|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Blank (1424512-BLK1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tetrachloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Toluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,1-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,2-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Trichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,3-Trichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Vinyl chloride | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| m,p-Xylene | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| o-Xylene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tetrahydrofuran | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Ethyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tert-amyl methyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Ethyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Di-isopropyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| 1,4-Dioxane | < 100 | | µg/kg wet | 100 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 25.0 | | µg/kg wet | 25.0 | | | | | | |
| Ethanol | < 2000 | | µg/kg wet | 2000 | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>48.6</i> | | <i>µg/kg wet</i> | | <i>50.0</i> | | <i>97</i> | <i>70-130</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>49.7</i> | | <i>µg/kg wet</i> | | <i>50.0</i> | | <i>99</i> | <i>70-130</i> | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>54.6</i> | | <i>µg/kg wet</i> | | <i>50.0</i> | | <i>109</i> | <i>70-130</i> | | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>49.9</i> | | <i>µg/kg wet</i> | | <i>50.0</i> | | <i>100</i> | <i>70-130</i> | | |
| <u>LCS (1424512-BS1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Acetone | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Acrylonitrile | 20.9 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Benzene | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| Bromobenzene | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Bromochloromethane | 20.5 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Bromodichloromethane | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Bromoform | 21.3 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| Bromomethane | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 2-Butanone (MEK) | 22.8 | | µg/kg wet | | 20.0 | | 114 | 70-130 | | |
| n-Butylbenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| sec-Butylbenzene | 20.3 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| tert-Butylbenzene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Carbon disulfide | 18.9 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| Carbon tetrachloride | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Chlorobenzene | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Chloroethane | 19.7 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Chloroform | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| Chloromethane | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 2-Chlorotoluene | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 4-Chlorotoluene | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--|------|-----------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS (1424512-BS1)</u> | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Dibromochloromethane | 19.9 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Dibromomethane | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| 1,2-Dichlorobenzene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 1,3-Dichlorobenzene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 1,4-Dichlorobenzene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| 1,1-Dichloroethane | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,2-Dichloroethane | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| 1,1-Dichloroethene | 19.1 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| cis-1,2-Dichloroethene | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| trans-1,2-Dichloroethene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,2-Dichloropropane | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| 1,3-Dichloropropane | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| 2,2-Dichloropropane | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| 1,1-Dichloropropene | 19.3 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| cis-1,3-Dichloropropene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| trans-1,3-Dichloropropene | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Ethylbenzene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Hexachlorobutadiene | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 2-Hexanone (MBK) | 16.2 | | µg/kg wet | | 20.0 | | 81 | 70-130 | | |
| Isopropylbenzene | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 4-Isopropyltoluene | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Methyl tert-butyl ether | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Methylene chloride | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Naphthalene | 17.9 | | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| n-Propylbenzene | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Styrene | 21.3 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Tetrachloroethene | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Toluene | 19.5 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 20.3 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,1,1-Trichloroethane | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,1,2-Trichloroethane | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Trichloroethene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| 1,2,3-Trichloropropane | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Vinyl chloride | 19.5 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| m,p-Xylene | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| o-Xylene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Tetrahydrofuran | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Ethyl ether | 21.3 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| Tert-amyl methyl ether | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| Ethyl tert-butyl ether | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Di-isopropyl ether | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS (1424512-BS1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| Tert-Butanol / butyl alcohol | 183 | | µg/kg wet | | 200 | | 91 | 70-130 | | |
| 1,4-Dioxane | 193 | | µg/kg wet | | 200 | | 97 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 17.9 | | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| Ethanol | 392 | | µg/kg wet | | 400 | | 98 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 51.4 | | µg/kg wet | | 50.0 | | 103 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.9 | | µg/kg wet | | 50.0 | | 100 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.6 | | µg/kg wet | | 50.0 | | 97 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 50.3 | | µg/kg wet | | 50.0 | | 101 | 70-130 | | |
| <u>LCS Dup (1424512-BSD1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 16.7 | | µg/kg wet | | 20.0 | | 84 | 70-130 | 11 | 30 |
| Acetone | 20.9 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 1 | 30 |
| Acrylonitrile | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 0.3 | 30 |
| Benzene | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 6 | 30 |
| Bromobenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 2 | 30 |
| Bromochloromethane | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 6 | 30 |
| Bromodichloromethane | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 5 | 30 |
| Bromoform | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 2 | 30 |
| Bromomethane | 19.1 | | µg/kg wet | | 20.0 | | 95 | 70-130 | 9 | 30 |
| 2-Butanone (MEK) | 16.5 | QR2 | µg/kg wet | | 20.0 | | 83 | 70-130 | 32 | 30 |
| n-Butylbenzene | 18.7 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 5 | 30 |
| sec-Butylbenzene | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 5 | 30 |
| tert-Butylbenzene | 19.9 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 3 | 30 |
| Carbon disulfide | 17.9 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 5 | 30 |
| Carbon tetrachloride | 17.0 | | µg/kg wet | | 20.0 | | 85 | 70-130 | 9 | 30 |
| Chlorobenzene | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 4 | 30 |
| Chloroethane | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 9 | 30 |
| Chloroform | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 8 | 30 |
| Chloromethane | 18.1 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 5 | 30 |
| 2-Chlorotoluene | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 6 | 30 |
| 4-Chlorotoluene | 19.9 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 4 | 30 |
| 1,2-Dibromo-3-chloropropane | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 0.9 | 30 |
| Dibromochloromethane | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 3 | 30 |
| 1,2-Dibromoethane (EDB) | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 5 | 30 |
| Dibromomethane | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 3 | 30 |
| 1,2-Dichlorobenzene | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 6 | 30 |
| 1,3-Dichlorobenzene | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 3 | 30 |
| 1,4-Dichlorobenzene | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 5 | 30 |
| Dichlorodifluoromethane (Freon12) | 17.3 | | µg/kg wet | | 20.0 | | 86 | 70-130 | 6 | 30 |
| 1,1-Dichloroethane | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 9 | 30 |
| 1,2-Dichloroethane | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 4 | 30 |
| 1,1-Dichloroethene | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 7 | 30 |
| cis-1,2-Dichloroethene | 18.7 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 7 | 30 |
| trans-1,2-Dichloroethene | 17.7 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 8 | 30 |
| 1,2-Dichloropropane | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 6 | 30 |
| 1,3-Dichloropropane | 19.5 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 2 | 30 |
| 2,2-Dichloropropane | 15.9 | | µg/kg wet | | 20.0 | | 80 | 70-130 | 8 | 30 |
| 1,1-Dichloropropene | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 7 | 30 |
| cis-1,3-Dichloropropene | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 7 | 30 |
| trans-1,3-Dichloropropene | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 2 | 30 |
| Ethylbenzene | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 2 | 30 |
| Hexachlorobutadiene | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | 10 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424512 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS Dup (1424512-BSD1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 2-Hexanone (MBK) | 16.7 | | µg/kg wet | | 20.0 | | 83 | 70-130 | 3 | 30 |
| Isopropylbenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 4 | 30 |
| 4-Isopropyltoluene | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | 7 | 30 |
| Methyl tert-butyl ether | 20.1 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 3 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 19.5 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 0.6 | 30 |
| Methylene chloride | 17.7 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 9 | 30 |
| Naphthalene | 17.0 | | µg/kg wet | | 20.0 | | 85 | 70-130 | 5 | 30 |
| n-Propylbenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 5 | 30 |
| Styrene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 2 | 30 |
| 1,1,1,2-Tetrachloroethane | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 4 | 30 |
| 1,1,2,2-Tetrachloroethane | 21.1 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 2 | 30 |
| Tetrachloroethene | 17.7 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 5 | 30 |
| Toluene | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 5 | 30 |
| 1,2,3-Trichlorobenzene | 17.9 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 5 | 30 |
| 1,2,4-Trichlorobenzene | 16.7 | | µg/kg wet | | 20.0 | | 83 | 70-130 | 5 | 30 |
| 1,3,5-Trichlorobenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 3 | 30 |
| 1,1,1-Trichloroethane | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | 11 | 30 |
| 1,1,2-Trichloroethane | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 2 | 30 |
| Trichloroethene | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 7 | 30 |
| Trichlorofluoromethane (Freon 11) | 16.6 | | µg/kg wet | | 20.0 | | 83 | 70-130 | 8 | 30 |
| 1,2,3-Trichloropropane | 20.3 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 0.2 | 30 |
| 1,2,4-Trimethylbenzene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 3 | 30 |
| 1,3,5-Trimethylbenzene | 20.1 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 3 | 30 |
| Vinyl chloride | 17.7 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 10 | 30 |
| m,p-Xylene | 19.9 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 3 | 30 |
| o-Xylene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 2 | 30 |
| Tetrahydrofuran | 18.5 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 1 | 30 |
| Ethyl ether | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 4 | 30 |
| Tert-amyl methyl ether | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 3 | 30 |
| Ethyl tert-butyl ether | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 4 | 30 |
| Di-isopropyl ether | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 4 | 30 |
| Tert-Butanol / butyl alcohol | 195 | | µg/kg wet | | 200 | | 97 | 70-130 | 6 | 30 |
| 1,4-Dioxane | 173 | | µg/kg wet | | 200 | | 87 | 70-130 | 11 | 30 |
| trans-1,4-Dichloro-2-butene | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 2 | 30 |
| Ethanol | 383 | | µg/kg wet | | 400 | | 96 | 70-130 | 2 | 30 |
| Surrogate: 4-Bromofluorobenzene | 52.4 | | µg/kg wet | | 50.0 | | 105 | 70-130 | | |
| Surrogate: Toluene-d8 | 50.0 | | µg/kg wet | | 50.0 | | 100 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.2 | | µg/kg wet | | 50.0 | | 96 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 49.0 | | µg/kg wet | | 50.0 | | 98 | 70-130 | | |
| Batch 1424514 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>Blank (1424514-BLK1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Acetone | < 500 | D | µg/kg wet | 500 | | | | | | |
| Acrylonitrile | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Benzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromodichloromethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromoform | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromomethane | < 100 | D | µg/kg wet | 100 | | | | | | |
| 2-Butanone (MEK) | < 500 | D | µg/kg wet | 500 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--|------|-----------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424514 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>Blank (1424514-BLK1)</u> | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | | | | | |
| n-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| sec-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| tert-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Carbon disulfide | < 100 | D | µg/kg wet | 100 | | | | | | |
| Carbon tetrachloride | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Chlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Chloroethane | < 100 | D | µg/kg wet | 100 | | | | | | |
| Chloroform | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Chloromethane | < 100 | D | µg/kg wet | 100 | | | | | | |
| 2-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 4-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 100 | D | µg/kg wet | 100 | | | | | | |
| Dibromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Dibromomethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,4-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 100 | D | µg/kg wet | 100 | | | | | | |
| 1,1-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| cis-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| trans-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 2,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| cis-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| trans-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Ethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Hexachlorobutadiene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 2-Hexanone (MBK) | < 500 | D | µg/kg wet | 500 | | | | | | |
| Isopropylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 4-Isopropyltoluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Methyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 500 | D | µg/kg wet | 500 | | | | | | |
| Methylene chloride | < 100 | D | µg/kg wet | 100 | | | | | | |
| Naphthalene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| n-Propylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Styrene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tetrachloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Toluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,1-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,2-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Trichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|---------|------|-----------|-------|---|---------------|------|-------------|-----|-----------|
| Batch 1424514 - SW846 5035A Soil (high level) | | | | | | | | | | |
| Blank (1424514-BLK1) | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,2,3-Trichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Vinyl chloride | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| m,p-Xylene | < 100 | D | µg/kg wet | 100 | | | | | | |
| o-Xylene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tetrahydrofuran | < 100 | D | µg/kg wet | 100 | | | | | | |
| Ethyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tert-amyl methyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Ethyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Di-isopropyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 500 | D | µg/kg wet | 500 | | | | | | |
| 1,4-Dioxane | < 1000 | D | µg/kg wet | 1000 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 250 | D | µg/kg wet | 250 | | | | | | |
| Ethanol | < 20000 | D | µg/kg wet | 20000 | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 34.7 | | µg/kg wet | | 30.0 | | 116 | 70-130 | | |
| <i>Surrogate: Toluene-d8</i> | 30.0 | | µg/kg wet | | 30.0 | | 100 | 70-130 | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 34.7 | | µg/kg wet | | 30.0 | | 116 | 70-130 | | |
| <i>Surrogate: Dibromofluoromethane</i> | 31.9 | | µg/kg wet | | 30.0 | | 106 | 70-130 | | |
| LCS (1424514-BS1) | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Acetone | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Acrylonitrile | 22.5 | D | µg/kg wet | | 20.0 | | 112 | 70-130 | | |
| Benzene | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Bromobenzene | 20.9 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Bromochloromethane | 21.3 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| Bromodichloromethane | 20.1 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Bromoform | 22.0 | D | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| Bromomethane | 20.9 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 2-Butanone (MEK) | 22.0 | D | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| n-Butylbenzene | 23.8 | D | µg/kg wet | | 20.0 | | 119 | 70-130 | | |
| sec-Butylbenzene | 21.4 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| tert-Butylbenzene | 21.6 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| Carbon disulfide | 22.1 | D | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| Carbon tetrachloride | 22.4 | D | µg/kg wet | | 20.0 | | 112 | 70-130 | | |
| Chlorobenzene | 19.3 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Chloroethane | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Chloroform | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Chloromethane | 17.8 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| 2-Chlorotoluene | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| 4-Chlorotoluene | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 22.0 | D | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| Dibromochloromethane | 18.1 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 18.2 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Dibromomethane | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,2-Dichlorobenzene | 23.2 | D | µg/kg wet | | 20.0 | | 116 | 70-130 | | |
| 1,3-Dichlorobenzene | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| 1,4-Dichlorobenzene | 20.3 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| 1,1-Dichloroethane | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,2-Dichloroethane | 20.6 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--|--------|-----------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424514 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>LCS (1424514-BS1)</u> | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | | | | | |
| 1,1-Dichloroethene | 21.8 | D | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| cis-1,2-Dichloroethene | 20.9 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| trans-1,2-Dichloroethene | 20.6 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 1,2-Dichloropropane | 18.4 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| 1,3-Dichloropropane | 16.7 | D | µg/kg wet | | 20.0 | | 83 | 70-130 | | |
| 2,2-Dichloropropane | 21.5 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| 1,1-Dichloropropene | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| cis-1,3-Dichloropropene | 18.8 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| trans-1,3-Dichloropropene | 16.2 | D | µg/kg wet | | 20.0 | | 81 | 70-130 | | |
| Ethylbenzene | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Hexachlorobutadiene | 28.2 | QM9, D | µg/kg wet | | 20.0 | | 141 | 70-130 | | |
| 2-Hexanone (MBK) | 15.1 | D | µg/kg wet | | 20.0 | | 76 | 70-130 | | |
| Isopropylbenzene | 20.9 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 4-Isopropyltoluene | 21.9 | D | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| Methyl tert-butyl ether | 22.0 | D | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 17.7 | D | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| Methylene chloride | 20.9 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Naphthalene | 25.3 | D | µg/kg wet | | 20.0 | | 127 | 70-130 | | |
| n-Propylbenzene | 21.2 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| Styrene | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 22.6 | D | µg/kg wet | | 20.0 | | 113 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 18.5 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| Tetrachloroethene | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Toluene | 16.5 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 25.2 | D | µg/kg wet | | 20.0 | | 126 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 24.0 | D | µg/kg wet | | 20.0 | | 120 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 23.5 | D | µg/kg wet | | 20.0 | | 118 | 70-130 | | |
| 1,1,1-Trichloroethane | 22.2 | D | µg/kg wet | | 20.0 | | 111 | 70-130 | | |
| 1,1,2-Trichloroethane | 16.5 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | | |
| Trichloroethene | 21.1 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 23.8 | D | µg/kg wet | | 20.0 | | 119 | 70-130 | | |
| 1,2,3-Trichloropropane | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 21.9 | D | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 21.3 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| Vinyl chloride | 22.4 | D | µg/kg wet | | 20.0 | | 112 | 70-130 | | |
| m,p-Xylene | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| o-Xylene | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Tetrahydrofuran | 18.0 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| Ethyl ether | 22.3 | D | µg/kg wet | | 20.0 | | 111 | 70-130 | | |
| Tert-amyl methyl ether | 20.1 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Ethyl tert-butyl ether | 20.1 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Di-isopropyl ether | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 219 | D | µg/kg wet | | 200 | | 109 | 70-130 | | |
| 1,4-Dioxane | 208 | D | µg/kg wet | | 200 | | 104 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 18.2 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Ethanol | 371 | D | µg/kg wet | | 400 | | 93 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 30.5 | | µg/kg wet | | 30.0 | | 102 | 70-130 | | |
| Surrogate: Toluene-d8 | 24.7 | | µg/kg wet | | 30.0 | | 82 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 31.3 | | µg/kg wet | | 30.0 | | 104 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 31.6 | | µg/kg wet | | 30.0 | | 105 | 70-130 | | |
| <u>LCS Dup (1424514-BSD1)</u> | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|--------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424514 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>LCS Dup (1424514-BSD1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 4 | 30 |
| Acetone | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 6 | 30 |
| Acrylonitrile | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 19 | 30 |
| Benzene | 19.2 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | 2 | 30 |
| Bromobenzene | 20.1 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 4 | 30 |
| Bromochloromethane | 21.3 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | 0 | 30 |
| Bromodichloromethane | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 0.6 | 30 |
| Bromoform | 20.1 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 9 | 30 |
| Bromomethane | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 6 | 30 |
| 2-Butanone (MEK) | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 9 | 30 |
| n-Butylbenzene | 20.1 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 17 | 30 |
| sec-Butylbenzene | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 6 | 30 |
| tert-Butylbenzene | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 7 | 30 |
| Carbon disulfide | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 9 | 30 |
| Carbon tetrachloride | 22.0 | D | µg/kg wet | | 20.0 | | 110 | 70-130 | 2 | 30 |
| Chlorobenzene | 19.3 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | 0 | 30 |
| Chloroethane | 18.8 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | 6 | 30 |
| Chloroform | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 2 | 30 |
| Chloromethane | 16.8 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | 6 | 30 |
| 2-Chlorotoluene | 19.4 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | 4 | 30 |
| 4-Chlorotoluene | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 6 | 30 |
| 1,2-Dibromo-3-chloropropane | 17.7 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | 21 | 30 |
| Dibromochloromethane | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | 15 | 30 |
| 1,2-Dibromoethane (EDB) | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | 14 | 30 |
| Dibromomethane | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 3 | 30 |
| 1,2-Dichlorobenzene | 19.7 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 17 | 30 |
| 1,3-Dichlorobenzene | 19.4 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | 4 | 30 |
| 1,4-Dichlorobenzene | 18.8 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | 8 | 30 |
| Dichlorodifluoromethane (Freon12) | 17.7 | D | µg/kg wet | | 20.0 | | 88 | 70-130 | 5 | 30 |
| 1,1-Dichloroethane | 19.3 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | 5 | 30 |
| 1,2-Dichloroethane | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 4 | 30 |
| 1,1-Dichloroethene | 19.2 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | 12 | 30 |
| cis-1,2-Dichloroethene | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 3 | 30 |
| trans-1,2-Dichloroethene | 19.5 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 6 | 30 |
| 1,2-Dichloropropane | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 1 | 30 |
| 1,3-Dichloropropane | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 19 | 30 |
| 2,2-Dichloropropane | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 6 | 30 |
| 1,1-Dichloropropene | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 7 | 30 |
| cis-1,3-Dichloropropene | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 6 | 30 |
| trans-1,3-Dichloropropene | 19.3 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | 17 | 30 |
| Ethylbenzene | 19.9 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 3 | 30 |
| Hexachlorobutadiene | 19.4 | QR5, D | µg/kg wet | | 20.0 | | 97 | 70-130 | 37 | 30 |
| 2-Hexanone (MBK) | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 27 | 30 |
| Isopropylbenzene | 20.3 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | 3 | 30 |
| 4-Isopropyltoluene | 20.5 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | 7 | 30 |
| Methyl tert-butyl ether | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | 4 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 21.3 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | 18 | 30 |
| Methylene chloride | 19.3 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | 8 | 30 |
| Naphthalene | 16.4 | QR2, D | µg/kg wet | | 20.0 | | 82 | 70-130 | 43 | 30 |
| n-Propylbenzene | 20.1 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 5 | 30 |
| Styrene | 20.7 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | 0.3 | 30 |
| 1,1,1,2-Tetrachloroethane | 21.1 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | 7 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|--------|-----------|------|--|---------------|---|-------------|-----|-----------|
| Batch 1424514 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>LCS Dup (1424514-BSD1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2,2-Tetrachloroethane | 19.5 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | 5 | 30 |
| Tetrachloroethene | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | 11 | 30 |
| Toluene | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 18 | 30 |
| 1,2,3-Trichlorobenzene | 16.5 | QR2, D | µg/kg wet | | 20.0 | | 83 | 70-130 | 42 | 30 |
| 1,2,4-Trichlorobenzene | 15.4 | QR2, D | µg/kg wet | | 20.0 | | 77 | 70-130 | 44 | 30 |
| 1,3,5-Trichlorobenzene | 18.5 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 24 | 30 |
| 1,1,1-Trichloroethane | 20.9 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | 6 | 30 |
| 1,1,2-Trichloroethane | 20.7 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | 23 | 30 |
| Trichloroethene | 20.5 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | 3 | 30 |
| Trichlorofluoromethane (Freon 11) | 22.1 | D | µg/kg wet | | 20.0 | | 110 | 70-130 | 8 | 30 |
| 1,2,3-Trichloropropane | 20.1 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 0.6 | 30 |
| 1,2,4-Trimethylbenzene | 20.6 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | 6 | 30 |
| 1,3,5-Trimethylbenzene | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 5 | 30 |
| Vinyl chloride | 21.5 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | 4 | 30 |
| m,p-Xylene | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 1 | 30 |
| o-Xylene | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 0.4 | 30 |
| Tetrahydrofuran | 16.5 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | 9 | 30 |
| Ethyl ether | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | 9 | 30 |
| Tert-amyl methyl ether | 19.3 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | 4 | 30 |
| Ethyl tert-butyl ether | 19.7 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 2 | 30 |
| Di-isopropyl ether | 18.4 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | 1 | 30 |
| Tert-Butanol / butyl alcohol | 196 | D | µg/kg wet | | 200 | | 98 | 70-130 | 11 | 30 |
| 1,4-Dioxane | 197 | D | µg/kg wet | | 200 | | 98 | 70-130 | 6 | 30 |
| trans-1,4-Dichloro-2-butene | 18.3 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | 0.7 | 30 |
| Ethanol | 389 | D | µg/kg wet | | 400 | | 97 | 70-130 | 5 | 30 |
| Surrogate: 4-Bromofluorobenzene | 29.7 | | µg/kg wet | | 30.0 | | 99 | 70-130 | | |
| Surrogate: Toluene-d8 | 30.4 | | µg/kg wet | | 30.0 | | 101 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 31.1 | | µg/kg wet | | 30.0 | | 104 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 31.6 | | µg/kg wet | | 30.0 | | 105 | 70-130 | | |
| <u>Matrix Spike (1424514-MS1)</u> | | | | | <u>Source: SB98147-14</u> | | <u>Prepared: 17-Oct-14 Analyzed: 18-Oct-14</u> | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 26.4 | QM7, D | µg/kg dry | | 20.0 | BRL | 132 | 70-130 | | |
| Acetone | 23.3 | D | µg/kg dry | | 20.0 | BRL | 116 | 70-130 | | |
| Acrylonitrile | 22.3 | D | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | | |
| Benzene | 23.7 | D | µg/kg dry | | 20.0 | BRL | 118 | 70-130 | | |
| Bromobenzene | 26.1 | QM7, D | µg/kg dry | | 20.0 | BRL | 131 | 70-130 | | |
| Bromochloromethane | 24.3 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | | |
| Bromodichloromethane | 20.1 | D | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | | |
| Bromoform | 19.2 | D | µg/kg dry | | 20.0 | BRL | 96 | 70-130 | | |
| Bromomethane | 16.6 | D | µg/kg dry | | 20.0 | BRL | 83 | 70-130 | | |
| 2-Butanone (MEK) | 22.7 | D | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | | |
| n-Butylbenzene | 26.4 | QM7, D | µg/kg dry | | 20.0 | BRL | 132 | 70-130 | | |
| sec-Butylbenzene | 29.8 | QM7, D | µg/kg dry | | 20.0 | BRL | 149 | 70-130 | | |
| tert-Butylbenzene | 29.4 | QM7, D | µg/kg dry | | 20.0 | BRL | 147 | 70-130 | | |
| Carbon disulfide | 25.6 | D | µg/kg dry | | 20.0 | BRL | 128 | 70-130 | | |
| Carbon tetrachloride | 23.3 | D | µg/kg dry | | 20.0 | BRL | 116 | 70-130 | | |
| Chlorobenzene | 23.0 | D | µg/kg dry | | 20.0 | BRL | 115 | 70-130 | | |
| Chloroethane | 24.0 | D | µg/kg dry | | 20.0 | BRL | 120 | 70-130 | | |
| Chloroform | 24.0 | D | µg/kg dry | | 20.0 | BRL | 120 | 70-130 | | |
| Chloromethane | 19.4 | D | µg/kg dry | | 20.0 | BRL | 97 | 70-130 | | |
| 2-Chlorotoluene | 27.4 | QM7, D | µg/kg dry | | 20.0 | BRL | 137 | 70-130 | | |
| 4-Chlorotoluene | 28.0 | QM7, D | µg/kg dry | | 20.0 | BRL | 140 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|--------|-----------|---------------------------|-------------|---------------|------|--|-----|-----------|
| Batch 1424514 - SW846 5035A Soil (high level) | | | | | | | | | | |
| Matrix Spike (1424514-MS1) | | | | Source: SB98147-14 | | | | Prepared: 17-Oct-14 Analyzed: 18-Oct-14 | | |
| 1,2-Dibromo-3-chloropropane | 17.9 | D | µg/kg dry | | 20.0 | BRL | 90 | 70-130 | | |
| Dibromochloromethane | 17.4 | D | µg/kg dry | | 20.0 | BRL | 87 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 19.0 | D | µg/kg dry | | 20.0 | BRL | 95 | 70-130 | | |
| Dibromomethane | 21.8 | D | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| 1,2-Dichlorobenzene | 22.8 | D | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | | |
| 1,3-Dichlorobenzene | 26.9 | QM7, D | µg/kg dry | | 20.0 | BRL | 135 | 70-130 | | |
| 1,4-Dichlorobenzene | 22.5 | D | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 22.4 | D | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | | |
| 1,1-Dichloroethane | 25.1 | D | µg/kg dry | | 20.0 | BRL | 126 | 70-130 | | |
| 1,2-Dichloroethane | 23.0 | D | µg/kg dry | | 20.0 | BRL | 115 | 70-130 | | |
| 1,1-Dichloroethene | 27.0 | QM7, D | µg/kg dry | | 20.0 | BRL | 135 | 70-130 | | |
| cis-1,2-Dichloroethene | 25.9 | D | µg/kg dry | | 20.0 | BRL | 129 | 70-130 | | |
| trans-1,2-Dichloroethene | 27.0 | QM7, D | µg/kg dry | | 20.0 | BRL | 135 | 70-130 | | |
| 1,2-Dichloropropane | 21.9 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | | |
| 1,3-Dichloropropane | 19.0 | D | µg/kg dry | | 20.0 | BRL | 95 | 70-130 | | |
| 2,2-Dichloropropane | 24.0 | D | µg/kg dry | | 20.0 | BRL | 120 | 70-130 | | |
| 1,1-Dichloropropene | 25.9 | D | µg/kg dry | | 20.0 | BRL | 130 | 70-130 | | |
| cis-1,3-Dichloropropene | 19.3 | D | µg/kg dry | | 20.0 | BRL | 96 | 70-130 | | |
| trans-1,3-Dichloropropene | 17.6 | D | µg/kg dry | | 20.0 | BRL | 88 | 70-130 | | |
| Ethylbenzene | 23.9 | D | µg/kg dry | | 20.0 | BRL | 119 | 70-130 | | |
| Hexachlorobutadiene | 30.2 | QM7, D | µg/kg dry | | 20.0 | BRL | 151 | 70-130 | | |
| 2-Hexanone (MBK) | 16.9 | D | µg/kg dry | | 20.0 | BRL | 85 | 70-130 | | |
| Isopropylbenzene | 28.0 | QM7, D | µg/kg dry | | 20.0 | BRL | 140 | 70-130 | | |
| 4-Isopropyltoluene | 26.1 | QM7, D | µg/kg dry | | 20.0 | BRL | 131 | 70-130 | | |
| Methyl tert-butyl ether | 23.9 | D | µg/kg dry | | 20.0 | BRL | 119 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 20.4 | D | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | | |
| Methylene chloride | 23.7 | D | µg/kg dry | | 20.0 | BRL | 118 | 70-130 | | |
| Naphthalene | 21.3 | D | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | | |
| n-Propylbenzene | 27.4 | QM7, D | µg/kg dry | | 20.0 | BRL | 137 | 70-130 | | |
| Styrene | 24.2 | D | µg/kg dry | | 20.0 | BRL | 121 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 23.3 | D | µg/kg dry | | 20.0 | BRL | 116 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 20.2 | D | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | | |
| Tetrachloroethene | 21.9 | D | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| Toluene | 20.9 | D | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 22.1 | D | µg/kg dry | | 20.0 | BRL | 111 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 22.6 | D | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 27.8 | QM7, D | µg/kg dry | | 20.0 | BRL | 139 | 70-130 | | |
| 1,1,1-Trichloroethane | 25.7 | D | µg/kg dry | | 20.0 | BRL | 128 | 70-130 | | |
| 1,1,2-Trichloroethane | 18.7 | D | µg/kg dry | | 20.0 | BRL | 93 | 70-130 | | |
| Trichloroethene | 25.4 | D | µg/kg dry | | 20.0 | BRL | 127 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 27.1 | QM7, D | µg/kg dry | | 20.0 | BRL | 135 | 70-130 | | |
| 1,2,3-Trichloropropane | 22.9 | D | µg/kg dry | | 20.0 | BRL | 115 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 29.4 | QM7, D | µg/kg dry | | 20.0 | BRL | 147 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 31.3 | QM7, D | µg/kg dry | | 20.0 | BRL | 156 | 70-130 | | |
| Vinyl chloride | 24.1 | D | µg/kg dry | | 20.0 | BRL | 120 | 70-130 | | |
| m,p-Xylene | 24.5 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | | |
| o-Xylene | 23.7 | D | µg/kg dry | | 20.0 | BRL | 119 | 70-130 | | |
| Tetrahydrofuran | 19.3 | D | µg/kg dry | | 20.0 | BRL | 97 | 70-130 | | |
| Ethyl ether | 24.4 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | | |
| Tert-amyl methyl ether | 20.9 | D | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | | |
| Ethyl tert-butyl ether | 22.7 | D | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | | |
| Di-isopropyl ether | 21.7 | D | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|--------|-----------|---------------------------|-------------|---------------|--|-------------|-----|-----------|
| Batch 1424514 - SW846 5035A Soil (high level) | | | | | | | | | | |
| Matrix Spike (1424514-MS1) | | | | Source: SB98147-14 | | | Prepared: 17-Oct-14 Analyzed: 18-Oct-14 | | | |
| Tert-Butanol / butyl alcohol | 218 | D | µg/kg dry | | 200 | BRL | 109 | 70-130 | | |
| 1,4-Dioxane | 206 | D | µg/kg dry | | 200 | BRL | 103 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 18.6 | D | µg/kg dry | | 20.0 | BRL | 93 | 70-130 | | |
| Ethanol | 442 | D | µg/kg dry | | 400 | BRL | 111 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 34.6 | | µg/kg dry | | 30.0 | | 115 | 70-130 | | |
| Surrogate: Toluene-d8 | 26.3 | | µg/kg dry | | 30.0 | | 88 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 30.8 | | µg/kg dry | | 30.0 | | 103 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 31.6 | | µg/kg dry | | 30.0 | | 105 | 70-130 | | |
| Matrix Spike Dup (1424514-MSD1) | | | | Source: SB98147-14 | | | Prepared: 17-Oct-14 Analyzed: 18-Oct-14 | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 23.3 | D | µg/kg dry | | 20.0 | BRL | 116 | 70-130 | 12 | 30 |
| Acetone | 24.0 | D | µg/kg dry | | 20.0 | BRL | 120 | 70-130 | 3 | 30 |
| Acrylonitrile | 23.6 | D | µg/kg dry | | 20.0 | BRL | 118 | 70-130 | 6 | 30 |
| Benzene | 23.4 | D | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | 1 | 30 |
| Bromobenzene | 25.0 | D | µg/kg dry | | 20.0 | BRL | 125 | 70-130 | 4 | 30 |
| Bromochloromethane | 24.1 | D | µg/kg dry | | 20.0 | BRL | 121 | 70-130 | 0.7 | 30 |
| Bromodichloromethane | 21.6 | D | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | 7 | 30 |
| Bromoform | 21.5 | D | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | 11 | 30 |
| Bromomethane | 17.3 | D | µg/kg dry | | 20.0 | BRL | 86 | 70-130 | 4 | 30 |
| 2-Butanone (MEK) | 22.9 | D | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | 0.8 | 30 |
| n-Butylbenzene | 25.0 | D | µg/kg dry | | 20.0 | BRL | 125 | 70-130 | 5 | 30 |
| sec-Butylbenzene | 26.3 | QM7, D | µg/kg dry | | 20.0 | BRL | 131 | 70-130 | 13 | 30 |
| tert-Butylbenzene | 26.0 | D | µg/kg dry | | 20.0 | BRL | 130 | 70-130 | 12 | 30 |
| Carbon disulfide | 23.7 | D | µg/kg dry | | 20.0 | BRL | 118 | 70-130 | 8 | 30 |
| Carbon tetrachloride | 22.8 | D | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | 2 | 30 |
| Chlorobenzene | 23.2 | D | µg/kg dry | | 20.0 | BRL | 116 | 70-130 | 1 | 30 |
| Chloroethane | 22.9 | D | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | 5 | 30 |
| Chloroform | 23.6 | D | µg/kg dry | | 20.0 | BRL | 118 | 70-130 | 2 | 30 |
| Chloromethane | 19.8 | D | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | 2 | 30 |
| 2-Chlorotoluene | 25.2 | D | µg/kg dry | | 20.0 | BRL | 126 | 70-130 | 8 | 30 |
| 4-Chlorotoluene | 26.2 | QM7, D | µg/kg dry | | 20.0 | BRL | 131 | 70-130 | 7 | 30 |
| 1,2-Dibromo-3-chloropropane | 16.8 | D | µg/kg dry | | 20.0 | BRL | 84 | 70-130 | 7 | 30 |
| Dibromochloromethane | 19.5 | D | µg/kg dry | | 20.0 | BRL | 97 | 70-130 | 11 | 30 |
| 1,2-Dibromoethane (EDB) | 22.0 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 15 | 30 |
| Dibromomethane | 23.4 | D | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | 7 | 30 |
| 1,2-Dichlorobenzene | 22.8 | D | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | 0.3 | 30 |
| 1,3-Dichlorobenzene | 25.7 | D | µg/kg dry | | 20.0 | BRL | 128 | 70-130 | 5 | 30 |
| 1,4-Dichlorobenzene | 22.4 | D | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | 0.4 | 30 |
| Dichlorodifluoromethane (Freon12) | 20.1 | D | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | 11 | 30 |
| 1,1-Dichloroethane | 24.4 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | 3 | 30 |
| 1,2-Dichloroethane | 24.4 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | 6 | 30 |
| 1,1-Dichloroethene | 24.8 | D | µg/kg dry | | 20.0 | BRL | 124 | 70-130 | 8 | 30 |
| cis-1,2-Dichloroethene | 24.7 | D | µg/kg dry | | 20.0 | BRL | 124 | 70-130 | 5 | 30 |
| trans-1,2-Dichloroethene | 24.6 | D | µg/kg dry | | 20.0 | BRL | 123 | 70-130 | 9 | 30 |
| 1,2-Dichloropropane | 22.5 | D | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | 2 | 30 |
| 1,3-Dichloropropane | 21.6 | D | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | 13 | 30 |
| 2,2-Dichloropropane | 23.3 | D | µg/kg dry | | 20.0 | BRL | 116 | 70-130 | 3 | 30 |
| 1,1-Dichloropropene | 24.9 | D | µg/kg dry | | 20.0 | BRL | 125 | 70-130 | 4 | 30 |
| cis-1,3-Dichloropropene | 21.9 | D | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | 13 | 30 |
| trans-1,3-Dichloropropene | 19.8 | D | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | 12 | 30 |
| Ethylbenzene | 23.5 | D | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | 2 | 30 |
| Hexachlorobutadiene | 27.7 | QM7, D | µg/kg dry | | 20.0 | BRL | 139 | 70-130 | 9 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|--------|-----------|----------------------------------|-------------|---------------|------|---|-----|-----------|
| Batch 1424514 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>Matrix Spike Dup (1424514-MSD1)</u> | | | | | | | | | | |
| | | | | <u>Source: SB98147-14</u> | | | | <u>Prepared: 17-Oct-14 Analyzed: 18-Oct-14</u> | | |
| 2-Hexanone (MBK) | 20.8 | D | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | 21 | 30 |
| Isopropylbenzene | 24.7 | D | µg/kg dry | | 20.0 | BRL | 123 | 70-130 | 13 | 30 |
| 4-Isopropyltoluene | 24.3 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | 7 | 30 |
| Methyl tert-butyl ether | 24.3 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | 2 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 22.9 | D | µg/kg dry | | 20.0 | BRL | 115 | 70-130 | 12 | 30 |
| Methylene chloride | 23.6 | D | µg/kg dry | | 20.0 | BRL | 118 | 70-130 | 0.6 | 30 |
| Naphthalene | 21.1 | D | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | 0.8 | 30 |
| n-Propylbenzene | 26.2 | QM7, D | µg/kg dry | | 20.0 | BRL | 131 | 70-130 | 5 | 30 |
| Styrene | 25.5 | D | µg/kg dry | | 20.0 | BRL | 127 | 70-130 | 5 | 30 |
| 1,1,1,2-Tetrachloroethane | 23.2 | D | µg/kg dry | | 20.0 | BRL | 116 | 70-130 | 0.5 | 30 |
| 1,1,2,2-Tetrachloroethane | 22.9 | D | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | 12 | 30 |
| Tetrachloroethene | 23.3 | D | µg/kg dry | | 20.0 | BRL | 116 | 70-130 | 6 | 30 |
| Toluene | 21.7 | D | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | 4 | 30 |
| 1,2,3-Trichlorobenzene | 22.3 | D | µg/kg dry | | 20.0 | BRL | 111 | 70-130 | 0.6 | 30 |
| 1,2,4-Trichlorobenzene | 22.2 | D | µg/kg dry | | 20.0 | BRL | 111 | 70-130 | 2 | 30 |
| 1,3,5-Trichlorobenzene | 24.9 | D | µg/kg dry | | 20.0 | BRL | 125 | 70-130 | 11 | 30 |
| 1,1,1-Trichloroethane | 24.4 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | 5 | 30 |
| 1,1,2-Trichloroethane | 22.0 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 16 | 30 |
| Trichloroethene | 23.8 | D | µg/kg dry | | 20.0 | BRL | 119 | 70-130 | 6 | 30 |
| Trichlorofluoromethane (Freon 11) | 25.4 | D | µg/kg dry | | 20.0 | BRL | 127 | 70-130 | 6 | 30 |
| 1,2,3-Trichloropropane | 23.9 | D | µg/kg dry | | 20.0 | BRL | 120 | 70-130 | 4 | 30 |
| 1,2,4-Trimethylbenzene | 26.6 | QM7, D | µg/kg dry | | 20.0 | BRL | 133 | 70-130 | 10 | 30 |
| 1,3,5-Trimethylbenzene | 26.2 | QM7, D | µg/kg dry | | 20.0 | BRL | 131 | 70-130 | 18 | 30 |
| Vinyl chloride | 23.4 | D | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | 3 | 30 |
| m,p-Xylene | 23.6 | D | µg/kg dry | | 20.0 | BRL | 118 | 70-130 | 4 | 30 |
| o-Xylene | 24.4 | D | µg/kg dry | | 20.0 | BRL | 122 | 70-130 | 3 | 30 |
| Tetrahydrofuran | 19.0 | D | µg/kg dry | | 20.0 | BRL | 95 | 70-130 | 2 | 30 |
| Ethyl ether | 25.2 | D | µg/kg dry | | 20.0 | BRL | 126 | 70-130 | 4 | 30 |
| Tert-amyl methyl ether | 22.5 | D | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | 8 | 30 |
| Ethyl tert-butyl ether | 23.6 | D | µg/kg dry | | 20.0 | BRL | 118 | 70-130 | 4 | 30 |
| Di-isopropyl ether | 22.1 | D | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 2 | 30 |
| Tert-Butanol / butyl alcohol | 218 | D | µg/kg dry | | 200 | BRL | 109 | 70-130 | 0.2 | 30 |
| 1,4-Dioxane | 228 | D | µg/kg dry | | 200 | BRL | 114 | 70-130 | 10 | 30 |
| trans-1,4-Dichloro-2-butene | 20.8 | D | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | 11 | 30 |
| Ethanol | 448 | D | µg/kg dry | | 400 | BRL | 112 | 70-130 | 1 | 30 |
| Surrogate: 4-Bromofluorobenzene | 32.8 | | µg/kg dry | | 30.0 | | 109 | 70-130 | | |
| Surrogate: Toluene-d8 | 27.1 | | µg/kg dry | | 30.0 | | 90 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 33.6 | | µg/kg dry | | 30.0 | | 112 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 33.0 | | µg/kg dry | | 30.0 | | 110 | 70-130 | | |
| Batch 1424519 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Blank (1424519-BLK1)</u> | | | | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | | | | | | |
| Acetone | < 10.0 | | µg/l | 10.0 | | | | | | |
| Acrylonitrile | < 0.5 | | µg/l | 0.5 | | | | | | |
| Benzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromochloromethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromodichloromethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| Bromoform | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromomethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--|------|-------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424519 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Blank (1424519-BLK1)</u> | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | | | | | |
| n-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Carbon disulfide | < 2.0 | | µg/l | 2.0 | | | | | | |
| Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chloroethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| Chloroform | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chloromethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | | | | | | |
| Dibromochloromethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | | | | | | |
| Dibromomethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | | | | | | |
| 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | | | | | | |
| cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | | | | | | |
| trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | | | | | | |
| Ethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | | | | | | |
| 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | | | | | | |
| Isopropylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | | | | | | |
| Methylene chloride | < 2.0 | | µg/l | 2.0 | | | | | | |
| Naphthalene | < 1.0 | | µg/l | 1.0 | | | | | | |
| n-Propylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Styrene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| Tetrachloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Toluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| Trichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|-------------|------|-------------|------|---|---------------|------------|---------------|-----|-----------|
| Batch 1424519 - SW846 5030 Water MS | | | | | | | | | | |
| Blank (1424519-BLK1) | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Vinyl chloride | < 1.0 | | µg/l | 1.0 | | | | | | |
| m,p-Xylene | < 2.0 | | µg/l | 2.0 | | | | | | |
| o-Xylene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | | | | | | |
| Ethyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | | | | | | |
| 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | | | | | | |
| Ethanol | < 400 | | µg/l | 400 | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>44.8</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>90</i> | <i>70-130</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>49.2</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>98</i> | <i>70-130</i> | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>52.1</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>104</i> | <i>70-130</i> | | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>52.3</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>105</i> | <i>70-130</i> | | |
| LCS (1424519-BS1) | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 22.5 | | µg/l | | 20.0 | | 112 | 70-130 | | |
| Acetone | 23.6 | | µg/l | | 20.0 | | 118 | 70-130 | | |
| Acrylonitrile | 23.5 | | µg/l | | 20.0 | | 118 | 70-130 | | |
| Benzene | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| Bromobenzene | 22.3 | | µg/l | | 20.0 | | 111 | 70-130 | | |
| Bromochloromethane | 23.8 | | µg/l | | 20.0 | | 119 | 70-130 | | |
| Bromodichloromethane | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| Bromoform | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| Bromomethane | 23.3 | | µg/l | | 20.0 | | 116 | 70-130 | | |
| 2-Butanone (MEK) | 17.7 | | µg/l | | 20.0 | | 88 | 70-130 | | |
| n-Butylbenzene | 17.5 | | µg/l | | 20.0 | | 88 | 70-130 | | |
| sec-Butylbenzene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| tert-Butylbenzene | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| Carbon disulfide | 24.1 | | µg/l | | 20.0 | | 120 | 70-130 | | |
| Carbon tetrachloride | 16.8 | | µg/l | | 20.0 | | 84 | 70-130 | | |
| Chlorobenzene | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| Chloroethane | 20.9 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| Chloroform | 20.7 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| Chloromethane | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| 2-Chlorotoluene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| 4-Chlorotoluene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 14.9 | | µg/l | | 20.0 | | 74 | 70-130 | | |
| Dibromochloromethane | 19.9 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| Dibromomethane | 21.5 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| 1,2-Dichlorobenzene | 19.2 | | µg/l | | 20.0 | | 96 | 70-130 | | |
| 1,3-Dichlorobenzene | 22.8 | | µg/l | | 20.0 | | 114 | 70-130 | | |
| 1,4-Dichlorobenzene | 18.7 | | µg/l | | 20.0 | | 94 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 20.5 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| 1,1-Dichloroethane | 20.1 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| 1,2-Dichloroethane | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424519 - SW846 5030 Water MS | | | | | | | | | | |
| <u>LCS (1424519-BS1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1-Dichloroethene | 20.9 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| cis-1,2-Dichloroethene | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| trans-1,2-Dichloroethene | 17.4 | | µg/l | | 20.0 | | 87 | 70-130 | | |
| 1,2-Dichloropropane | 19.3 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| 1,3-Dichloropropane | 19.9 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| 2,2-Dichloropropane | 12.8 | QC2 | µg/l | | 20.0 | | 64 | 70-130 | | |
| 1,1-Dichloropropene | 18.5 | | µg/l | | 20.0 | | 92 | 70-130 | | |
| cis-1,3-Dichloropropene | 17.5 | | µg/l | | 20.0 | | 88 | 70-130 | | |
| trans-1,3-Dichloropropene | 15.1 | | µg/l | | 20.0 | | 76 | 70-130 | | |
| Ethylbenzene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| Hexachlorobutadiene | 24.5 | | µg/l | | 20.0 | | 123 | 70-130 | | |
| 2-Hexanone (MBK) | 16.9 | | µg/l | | 20.0 | | 84 | 70-130 | | |
| Isopropylbenzene | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| 4-Isopropyltoluene | 18.3 | | µg/l | | 20.0 | | 92 | 70-130 | | |
| Methyl tert-butyl ether | 14.6 | | µg/l | | 20.0 | | 73 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 17.2 | | µg/l | | 20.0 | | 86 | 70-130 | | |
| Methylene chloride | 22.8 | | µg/l | | 20.0 | | 114 | 70-130 | | |
| Naphthalene | 14.6 | | µg/l | | 20.0 | | 73 | 70-130 | | |
| n-Propylbenzene | 19.8 | | µg/l | | 20.0 | | 99 | 70-130 | | |
| Styrene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 17.6 | | µg/l | | 20.0 | | 88 | 70-130 | | |
| Tetrachloroethene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| Toluene | 19.8 | | µg/l | | 20.0 | | 99 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 17.8 | | µg/l | | 20.0 | | 89 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 19.2 | | µg/l | | 20.0 | | 96 | 70-130 | | |
| 1,1,1-Trichloroethane | 17.8 | | µg/l | | 20.0 | | 89 | 70-130 | | |
| 1,1,2-Trichloroethane | 20.5 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| Trichloroethene | 21.8 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 21.8 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| 1,2,3-Trichloropropane | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 20.9 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 20.7 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| Vinyl chloride | 24.2 | | µg/l | | 20.0 | | 121 | 70-130 | | |
| m,p-Xylene | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| o-Xylene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| Tetrahydrofuran | 17.7 | | µg/l | | 20.0 | | 88 | 70-130 | | |
| Ethyl ether | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| Tert-amyl methyl ether | 21.5 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| Ethyl tert-butyl ether | 14.3 | | µg/l | | 20.0 | | 71 | 70-130 | | |
| Di-isopropyl ether | 18.3 | | µg/l | | 20.0 | | 92 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 198 | | µg/l | | 200 | | 99 | 70-130 | | |
| 1,4-Dioxane | 166 | | µg/l | | 200 | | 83 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 18.4 | | µg/l | | 20.0 | | 92 | 70-130 | | |
| Ethanol | 551 | QC2 | µg/l | | 400 | | 138 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 51.5 | | µg/l | | 50.0 | | 103 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.2 | | µg/l | | 50.0 | | 98 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.2 | | µg/l | | 50.0 | | 100 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 53.2 | | µg/l | | 50.0 | | 106 | 70-130 | | |
| <u>LCS Dup (1424519-BSD1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424519 - SW846 5030 Water MS | | | | | | | | | | |
| <u>LCS Dup (1424519-BSD1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 21.7 | | µg/l | | 20.0 | | 108 | 70-130 | 4 | 20 |
| Acetone | 24.8 | | µg/l | | 20.0 | | 124 | 70-130 | 5 | 20 |
| Acrylonitrile | 22.2 | | µg/l | | 20.0 | | 111 | 70-130 | 6 | 20 |
| Benzene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | 0.7 | 20 |
| Bromobenzene | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | 1 | 20 |
| Bromochloromethane | 22.8 | | µg/l | | 20.0 | | 114 | 70-130 | 4 | 20 |
| Bromodichloromethane | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 3 | 20 |
| Bromoform | 21.3 | | µg/l | | 20.0 | | 107 | 70-130 | 0.4 | 20 |
| Bromomethane | 22.8 | | µg/l | | 20.0 | | 114 | 70-130 | 2 | 20 |
| 2-Butanone (MEK) | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 18 | 20 |
| n-Butylbenzene | 18.2 | | µg/l | | 20.0 | | 91 | 70-130 | 4 | 20 |
| sec-Butylbenzene | 21.3 | | µg/l | | 20.0 | | 106 | 70-130 | 1 | 20 |
| tert-Butylbenzene | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 4 | 20 |
| Carbon disulfide | 24.0 | | µg/l | | 20.0 | | 120 | 70-130 | 0.4 | 20 |
| Carbon tetrachloride | 16.7 | | µg/l | | 20.0 | | 84 | 70-130 | 0.6 | 20 |
| Chlorobenzene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 0.5 | 20 |
| Chloroethane | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 1 | 20 |
| Chloroform | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 2 | 20 |
| Chloromethane | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 3 | 20 |
| 2-Chlorotoluene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 0.8 | 20 |
| 4-Chlorotoluene | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | 1 | 20 |
| 1,2-Dibromo-3-chloropropane | 17.6 | | µg/l | | 20.0 | | 88 | 70-130 | 17 | 20 |
| Dibromochloromethane | 20.5 | | µg/l | | 20.0 | | 103 | 70-130 | 3 | 20 |
| 1,2-Dibromoethane (EDB) | 20.3 | | µg/l | | 20.0 | | 102 | 70-130 | 0.3 | 20 |
| Dibromomethane | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | 0.4 | 20 |
| 1,2-Dichlorobenzene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | 4 | 20 |
| 1,3-Dichlorobenzene | 22.7 | | µg/l | | 20.0 | | 114 | 70-130 | 0.3 | 20 |
| 1,4-Dichlorobenzene | 18.9 | | µg/l | | 20.0 | | 94 | 70-130 | 0.9 | 20 |
| Dichlorodifluoromethane (Freon12) | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 2 | 20 |
| 1,1-Dichloroethane | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 0.2 | 20 |
| 1,2-Dichloroethane | 19.3 | | µg/l | | 20.0 | | 96 | 70-130 | 3 | 20 |
| 1,1-Dichloroethene | 20.1 | | µg/l | | 20.0 | | 100 | 70-130 | 4 | 20 |
| cis-1,2-Dichloroethene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 0.2 | 20 |
| trans-1,2-Dichloroethene | 19.0 | | µg/l | | 20.0 | | 95 | 70-130 | 9 | 20 |
| 1,2-Dichloropropane | 19.6 | | µg/l | | 20.0 | | 98 | 70-130 | 1 | 20 |
| 1,3-Dichloropropane | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | 2 | 20 |
| 2,2-Dichloropropane | 12.3 | QC2 | µg/l | | 20.0 | | 62 | 70-130 | 4 | 20 |
| 1,1-Dichloropropene | 18.2 | | µg/l | | 20.0 | | 91 | 70-130 | 1 | 20 |
| cis-1,3-Dichloropropene | 17.7 | | µg/l | | 20.0 | | 88 | 70-130 | 1 | 20 |
| trans-1,3-Dichloropropene | 14.8 | | µg/l | | 20.0 | | 74 | 70-130 | 2 | 20 |
| Ethylbenzene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | 0.4 | 20 |
| Hexachlorobutadiene | 26.1 | | µg/l | | 20.0 | | 130 | 70-130 | 6 | 20 |
| 2-Hexanone (MBK) | 17.4 | | µg/l | | 20.0 | | 87 | 70-130 | 3 | 20 |
| Isopropylbenzene | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 0.7 | 20 |
| 4-Isopropyltoluene | 18.8 | | µg/l | | 20.0 | | 94 | 70-130 | 3 | 20 |
| Methyl tert-butyl ether | 16.3 | | µg/l | | 20.0 | | 81 | 70-130 | 11 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 19.3 | | µg/l | | 20.0 | | 96 | 70-130 | 12 | 20 |
| Methylene chloride | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | 6 | 20 |
| Naphthalene | 16.1 | | µg/l | | 20.0 | | 80 | 70-130 | 10 | 20 |
| n-Propylbenzene | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | 2 | 20 |
| Styrene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 1 | 20 |
| 1,1,1,2-Tetrachloroethane | 18.7 | | µg/l | | 20.0 | | 93 | 70-130 | 4 | 20 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|--|---------------|--|-------------|-----|-----------|
| Batch 1424519 - SW846 5030 Water MS | | | | | | | | | | |
| <u>LCS Dup (1424519-BSD1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2,2-Tetrachloroethane | 18.9 | | µg/l | | 20.0 | | 95 | 70-130 | 7 | 20 |
| Tetrachloroethene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 0.3 | 20 |
| Toluene | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | 2 | 20 |
| 1,2,3-Trichlorobenzene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 4 | 20 |
| 1,2,4-Trichlorobenzene | 19.3 | | µg/l | | 20.0 | | 97 | 70-130 | 8 | 20 |
| 1,3,5-Trichlorobenzene | 19.5 | | µg/l | | 20.0 | | 97 | 70-130 | 1 | 20 |
| 1,1,1-Trichloroethane | 18.1 | | µg/l | | 20.0 | | 91 | 70-130 | 2 | 20 |
| 1,1,2-Trichloroethane | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 0.6 | 20 |
| Trichloroethene | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | 0.8 | 20 |
| Trichlorofluoromethane (Freon 11) | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | 4 | 20 |
| 1,2,3-Trichloropropane | 21.3 | | µg/l | | 20.0 | | 106 | 70-130 | 3 | 20 |
| 1,2,4-Trimethylbenzene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 0.3 | 20 |
| 1,3,5-Trimethylbenzene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 0.2 | 20 |
| Vinyl chloride | 23.2 | | µg/l | | 20.0 | | 116 | 70-130 | 4 | 20 |
| m,p-Xylene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | 0.7 | 20 |
| o-Xylene | 22.3 | | µg/l | | 20.0 | | 111 | 70-130 | 5 | 20 |
| Tetrahydrofuran | 18.4 | | µg/l | | 20.0 | | 92 | 70-130 | 4 | 20 |
| Ethyl ether | 19.6 | | µg/l | | 20.0 | | 98 | 70-130 | 3 | 20 |
| Tert-amyl methyl ether | 22.7 | | µg/l | | 20.0 | | 114 | 70-130 | 6 | 20 |
| Ethyl tert-butyl ether | 14.6 | | µg/l | | 20.0 | | 73 | 70-130 | 2 | 20 |
| Di-isopropyl ether | 18.2 | | µg/l | | 20.0 | | 91 | 70-130 | 0.7 | 20 |
| Tert-Butanol / butyl alcohol | 200 | | µg/l | | 200 | | 100 | 70-130 | 0.8 | 20 |
| 1,4-Dioxane | 178 | | µg/l | | 200 | | 89 | 70-130 | 7 | 20 |
| trans-1,4-Dichloro-2-butene | 17.2 | | µg/l | | 20.0 | | 86 | 70-130 | 7 | 20 |
| Ethanol | 574 | QC2 | µg/l | | 400 | | 144 | 70-130 | 4 | 20 |
| Surrogate: 4-Bromofluorobenzene | 50.3 | | µg/l | | 50.0 | | 101 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.2 | | µg/l | | 50.0 | | 98 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.2 | | µg/l | | 50.0 | | 98 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 52.9 | | µg/l | | 50.0 | | 106 | 70-130 | | |
| <u>Matrix Spike (1424519-MS1)</u> | | | | | <u>Source: SB98147-15</u> | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 21.6 | | µg/l | | 20.0 | BRL | 108 | 70-130 | | |
| Acetone | 24.2 | | µg/l | | 20.0 | BRL | 121 | 70-130 | | |
| Acrylonitrile | 22.6 | | µg/l | | 20.0 | BRL | 113 | 70-130 | | |
| Benzene | 20.3 | | µg/l | | 20.0 | BRL | 101 | 70-130 | | |
| Bromobenzene | 22.7 | | µg/l | | 20.0 | BRL | 114 | 70-130 | | |
| Bromochloromethane | 23.0 | | µg/l | | 20.0 | BRL | 115 | 70-130 | | |
| Bromodichloromethane | 20.8 | | µg/l | | 20.0 | BRL | 104 | 70-130 | | |
| Bromoform | 23.1 | | µg/l | | 20.0 | BRL | 115 | 70-130 | | |
| Bromomethane | 22.8 | | µg/l | | 20.0 | BRL | 114 | 70-130 | | |
| 2-Butanone (MEK) | 20.2 | | µg/l | | 20.0 | BRL | 101 | 70-130 | | |
| n-Butylbenzene | 19.2 | | µg/l | | 20.0 | BRL | 96 | 70-130 | | |
| sec-Butylbenzene | 22.0 | | µg/l | | 20.0 | BRL | 110 | 70-130 | | |
| tert-Butylbenzene | 21.8 | | µg/l | | 20.0 | BRL | 109 | 70-130 | | |
| Carbon disulfide | 23.8 | | µg/l | | 20.0 | BRL | 119 | 70-130 | | |
| Carbon tetrachloride | 17.5 | | µg/l | | 20.0 | BRL | 87 | 70-130 | | |
| Chlorobenzene | 22.0 | | µg/l | | 20.0 | BRL | 110 | 70-130 | | |
| Chloroethane | 21.1 | | µg/l | | 20.0 | BRL | 106 | 70-130 | | |
| Chloroform | 20.5 | | µg/l | | 20.0 | BRL | 103 | 70-130 | | |
| Chloromethane | 21.2 | | µg/l | | 20.0 | BRL | 106 | 70-130 | | |
| 2-Chlorotoluene | 21.5 | | µg/l | | 20.0 | BRL | 107 | 70-130 | | |
| 4-Chlorotoluene | 20.9 | | µg/l | | 20.0 | BRL | 104 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|---------------------------|-------------|---------------|---|-------------|-----|-----------|
| Batch 1424519 - SW846 5030 Water MS | | | | | | | | | | |
| Matrix Spike (1424519-MS1) | | | | Source: SB98147-15 | | | Prepared & Analyzed: 17-Oct-14 | | | |
| 1,2-Dibromo-3-chloropropane | 16.8 | | µg/l | | 20.0 | BRL | 84 | 70-130 | | |
| Dibromochloromethane | 21.0 | | µg/l | | 20.0 | BRL | 105 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 20.6 | | µg/l | | 20.0 | BRL | 103 | 70-130 | | |
| Dibromomethane | 21.4 | | µg/l | | 20.0 | BRL | 107 | 70-130 | | |
| 1,2-Dichlorobenzene | 20.5 | | µg/l | | 20.0 | BRL | 103 | 70-130 | | |
| 1,3-Dichlorobenzene | 23.9 | | µg/l | | 20.0 | BRL | 120 | 70-130 | | |
| 1,4-Dichlorobenzene | 19.4 | | µg/l | | 20.0 | BRL | 97 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 21.1 | | µg/l | | 20.0 | BRL | 106 | 70-130 | | |
| 1,1-Dichloroethane | 19.7 | | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| 1,2-Dichloroethane | 20.0 | | µg/l | | 20.0 | BRL | 100 | 70-130 | | |
| 1,1-Dichloroethene | 20.8 | | µg/l | | 20.0 | BRL | 104 | 70-130 | | |
| cis-1,2-Dichloroethene | 21.8 | | µg/l | | 20.0 | 0.2 | 108 | 70-130 | | |
| trans-1,2-Dichloroethene | 18.0 | | µg/l | | 20.0 | BRL | 90 | 70-130 | | |
| 1,2-Dichloropropane | 19.7 | | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| 1,3-Dichloropropane | 20.2 | | µg/l | | 20.0 | BRL | 101 | 70-130 | | |
| 2,2-Dichloropropane | 13.7 | QC2 | µg/l | | 20.0 | BRL | 68 | 70-130 | | |
| 1,1-Dichloropropene | 19.1 | | µg/l | | 20.0 | BRL | 96 | 70-130 | | |
| cis-1,3-Dichloropropene | 17.7 | | µg/l | | 20.0 | BRL | 89 | 70-130 | | |
| trans-1,3-Dichloropropene | 14.7 | | µg/l | | 20.0 | BRL | 74 | 70-130 | | |
| Ethylbenzene | 20.9 | | µg/l | | 20.0 | BRL | 105 | 70-130 | | |
| Hexachlorobutadiene | 25.7 | | µg/l | | 20.0 | BRL | 129 | 70-130 | | |
| 2-Hexanone (MBK) | 18.3 | | µg/l | | 20.0 | BRL | 92 | 70-130 | | |
| Isopropylbenzene | 21.3 | | µg/l | | 20.0 | BRL | 107 | 70-130 | | |
| 4-Isopropyltoluene | 19.3 | | µg/l | | 20.0 | BRL | 97 | 70-130 | | |
| Methyl tert-butyl ether | 15.4 | | µg/l | | 20.0 | BRL | 77 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 19.7 | | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| Methylene chloride | 22.0 | | µg/l | | 20.0 | BRL | 110 | 70-130 | | |
| Naphthalene | 17.1 | | µg/l | | 20.0 | BRL | 85 | 70-130 | | |
| n-Propylbenzene | 21.1 | | µg/l | | 20.0 | BRL | 106 | 70-130 | | |
| Styrene | 21.1 | | µg/l | | 20.0 | BRL | 106 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 20.0 | | µg/l | | 20.0 | BRL | 100 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 23.2 | | µg/l | | 20.0 | BRL | 116 | 70-130 | | |
| Tetrachloroethene | 21.5 | | µg/l | | 20.0 | BRL | 108 | 70-130 | | |
| Toluene | 19.9 | | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 22.2 | | µg/l | | 20.0 | BRL | 111 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 20.4 | | µg/l | | 20.0 | BRL | 102 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 20.9 | | µg/l | | 20.0 | BRL | 105 | 70-130 | | |
| 1,1,1-Trichloroethane | 17.9 | | µg/l | | 20.0 | BRL | 90 | 70-130 | | |
| 1,1,2-Trichloroethane | 21.5 | | µg/l | | 20.0 | BRL | 107 | 70-130 | | |
| Trichloroethene | 20.0 | | µg/l | | 20.0 | 0.6 | 97 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 21.7 | | µg/l | | 20.0 | BRL | 108 | 70-130 | | |
| 1,2,3-Trichloropropane | 21.6 | | µg/l | | 20.0 | BRL | 108 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 21.7 | | µg/l | | 20.0 | BRL | 108 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 21.6 | | µg/l | | 20.0 | BRL | 108 | 70-130 | | |
| Vinyl chloride | 23.5 | | µg/l | | 20.0 | BRL | 118 | 70-130 | | |
| m,p-Xylene | 21.1 | | µg/l | | 20.0 | BRL | 106 | 70-130 | | |
| o-Xylene | 22.8 | | µg/l | | 20.0 | BRL | 114 | 70-130 | | |
| Tetrahydrofuran | 18.3 | | µg/l | | 20.0 | BRL | 92 | 70-130 | | |
| Ethyl ether | 20.0 | | µg/l | | 20.0 | BRL | 100 | 70-130 | | |
| Tert-amyl methyl ether | 21.7 | | µg/l | | 20.0 | BRL | 109 | 70-130 | | |
| Ethyl tert-butyl ether | 14.8 | | µg/l | | 20.0 | BRL | 74 | 70-130 | | |
| Di-isopropyl ether | 18.5 | | µg/l | | 20.0 | BRL | 93 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-------|----------------------------------|-------------|---------------|--|-------------|------|-----------|
| Batch 1424519 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Matrix Spike (1424519-MS1)</u> | | | | <u>Source: SB98147-15</u> | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | |
| Tert-Butanol / butyl alcohol | 197 | | µg/l | | 200 | BRL | 99 | 70-130 | | |
| 1,4-Dioxane | 190 | | µg/l | | 200 | BRL | 95 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 19.6 | | µg/l | | 20.0 | BRL | 98 | 70-130 | | |
| Ethanol | 595 | QC2 | µg/l | | 400 | BRL | 149 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 51.2 | | µg/l | | 50.0 | | 102 | 70-130 | | |
| Surrogate: Toluene-d8 | 47.6 | | µg/l | | 50.0 | | 95 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.0 | | µg/l | | 50.0 | | 96 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 54.1 | | µg/l | | 50.0 | | 108 | 70-130 | | |
| <u>Matrix Spike Dup (1424519-MSD1)</u> | | | | <u>Source: SB98147-15</u> | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 20.6 | | µg/l | | 20.0 | BRL | 103 | 70-130 | 5 | 20 |
| Acetone | 25.8 | | µg/l | | 20.0 | BRL | 129 | 70-130 | 6 | 20 |
| Acrylonitrile | 23.2 | | µg/l | | 20.0 | BRL | 116 | 70-130 | 3 | 20 |
| Benzene | 19.6 | | µg/l | | 20.0 | BRL | 98 | 70-130 | 4 | 20 |
| Bromobenzene | 21.9 | | µg/l | | 20.0 | BRL | 109 | 70-130 | 4 | 20 |
| Bromochloromethane | 22.5 | | µg/l | | 20.0 | BRL | 113 | 70-130 | 2 | 20 |
| Bromodichloromethane | 20.5 | | µg/l | | 20.0 | BRL | 103 | 70-130 | 1 | 20 |
| Bromoform | 21.3 | | µg/l | | 20.0 | BRL | 106 | 70-130 | 8 | 20 |
| Bromomethane | 21.9 | | µg/l | | 20.0 | BRL | 109 | 70-130 | 4 | 20 |
| 2-Butanone (MEK) | 22.1 | | µg/l | | 20.0 | BRL | 111 | 70-130 | 9 | 20 |
| n-Butylbenzene | 17.5 | | µg/l | | 20.0 | BRL | 87 | 70-130 | 9 | 20 |
| sec-Butylbenzene | 20.8 | | µg/l | | 20.0 | BRL | 104 | 70-130 | 5 | 20 |
| tert-Butylbenzene | 20.9 | | µg/l | | 20.0 | BRL | 104 | 70-130 | 4 | 20 |
| Carbon disulfide | 23.2 | | µg/l | | 20.0 | BRL | 116 | 70-130 | 3 | 20 |
| Carbon tetrachloride | 16.9 | | µg/l | | 20.0 | BRL | 84 | 70-130 | 4 | 20 |
| Chlorobenzene | 20.8 | | µg/l | | 20.0 | BRL | 104 | 70-130 | 6 | 20 |
| Chloroethane | 19.9 | | µg/l | | 20.0 | BRL | 99 | 70-130 | 6 | 20 |
| Chloroform | 19.8 | | µg/l | | 20.0 | BRL | 99 | 70-130 | 4 | 20 |
| Chloromethane | 20.2 | | µg/l | | 20.0 | BRL | 101 | 70-130 | 5 | 20 |
| 2-Chlorotoluene | 20.2 | | µg/l | | 20.0 | BRL | 101 | 70-130 | 6 | 20 |
| 4-Chlorotoluene | 20.1 | | µg/l | | 20.0 | BRL | 100 | 70-130 | 4 | 20 |
| 1,2-Dibromo-3-chloropropane | 16.7 | | µg/l | | 20.0 | BRL | 84 | 70-130 | 0.5 | 20 |
| Dibromochloromethane | 21.2 | | µg/l | | 20.0 | BRL | 106 | 70-130 | 0.7 | 20 |
| 1,2-Dibromoethane (EDB) | 19.6 | | µg/l | | 20.0 | BRL | 98 | 70-130 | 5 | 20 |
| Dibromomethane | 20.8 | | µg/l | | 20.0 | BRL | 104 | 70-130 | 3 | 20 |
| 1,2-Dichlorobenzene | 19.2 | | µg/l | | 20.0 | BRL | 96 | 70-130 | 7 | 20 |
| 1,3-Dichlorobenzene | 22.8 | | µg/l | | 20.0 | BRL | 114 | 70-130 | 5 | 20 |
| 1,4-Dichlorobenzene | 18.5 | | µg/l | | 20.0 | BRL | 93 | 70-130 | 5 | 20 |
| Dichlorodifluoromethane (Freon12) | 19.8 | | µg/l | | 20.0 | BRL | 99 | 70-130 | 6 | 20 |
| 1,1-Dichloroethane | 19.4 | | µg/l | | 20.0 | BRL | 97 | 70-130 | 2 | 20 |
| 1,2-Dichloroethane | 19.8 | | µg/l | | 20.0 | BRL | 99 | 70-130 | 1 | 20 |
| 1,1-Dichloroethene | 19.6 | | µg/l | | 20.0 | BRL | 98 | 70-130 | 6 | 20 |
| cis-1,2-Dichloroethene | 21.1 | | µg/l | | 20.0 | 0.2 | 104 | 70-130 | 3 | 20 |
| trans-1,2-Dichloroethene | 16.8 | | µg/l | | 20.0 | BRL | 84 | 70-130 | 7 | 20 |
| 1,2-Dichloropropane | 19.7 | | µg/l | | 20.0 | BRL | 99 | 70-130 | 0.05 | 20 |
| 1,3-Dichloropropane | 19.6 | | µg/l | | 20.0 | BRL | 98 | 70-130 | 3 | 20 |
| 2,2-Dichloropropane | 12.2 | QC2 | µg/l | | 20.0 | BRL | 61 | 70-130 | 12 | 20 |
| 1,1-Dichloropropene | 18.2 | | µg/l | | 20.0 | BRL | 91 | 70-130 | 5 | 20 |
| cis-1,3-Dichloropropene | 17.3 | | µg/l | | 20.0 | BRL | 87 | 70-130 | 2 | 20 |
| trans-1,3-Dichloropropene | 14.8 | | µg/l | | 20.0 | BRL | 74 | 70-130 | 0.5 | 20 |
| Ethylbenzene | 19.5 | | µg/l | | 20.0 | BRL | 98 | 70-130 | 7 | 20 |
| Hexachlorobutadiene | 23.8 | | µg/l | | 20.0 | BRL | 119 | 70-130 | 8 | 20 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-------|----------------------------------|-------------|---------------|------|--|-----|-----------|
| Batch 1424519 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Matrix Spike Dup (1424519-MSD1)</u> | | | | | | | | | | |
| | | | | <u>Source: SB98147-15</u> | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | |
| 2-Hexanone (MBK) | 18.5 | | µg/l | | 20.0 | BRL | 92 | 70-130 | 0.9 | 20 |
| Isopropylbenzene | 20.0 | | µg/l | | 20.0 | BRL | 100 | 70-130 | 6 | 20 |
| 4-Isopropyltoluene | 18.0 | | µg/l | | 20.0 | BRL | 90 | 70-130 | 7 | 20 |
| Methyl tert-butyl ether | 15.4 | | µg/l | | 20.0 | BRL | 77 | 70-130 | 0.2 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 18.0 | | µg/l | | 20.0 | BRL | 90 | 70-130 | 9 | 20 |
| Methylene chloride | 21.2 | | µg/l | | 20.0 | BRL | 106 | 70-130 | 4 | 20 |
| Naphthalene | 16.0 | | µg/l | | 20.0 | BRL | 80 | 70-130 | 6 | 20 |
| n-Propylbenzene | 19.9 | | µg/l | | 20.0 | BRL | 99 | 70-130 | 6 | 20 |
| Styrene | 20.3 | | µg/l | | 20.0 | BRL | 102 | 70-130 | 4 | 20 |
| 1,1,1,2-Tetrachloroethane | 19.2 | | µg/l | | 20.0 | BRL | 96 | 70-130 | 4 | 20 |
| 1,1,2,2-Tetrachloroethane | 22.5 | | µg/l | | 20.0 | BRL | 113 | 70-130 | 3 | 20 |
| Tetrachloroethene | 20.3 | | µg/l | | 20.0 | BRL | 102 | 70-130 | 6 | 20 |
| Toluene | 19.3 | | µg/l | | 20.0 | BRL | 96 | 70-130 | 3 | 20 |
| 1,2,3-Trichlorobenzene | 20.2 | | µg/l | | 20.0 | BRL | 101 | 70-130 | 10 | 20 |
| 1,2,4-Trichlorobenzene | 18.8 | | µg/l | | 20.0 | BRL | 94 | 70-130 | 8 | 20 |
| 1,3,5-Trichlorobenzene | 19.5 | | µg/l | | 20.0 | BRL | 97 | 70-130 | 7 | 20 |
| 1,1,1-Trichloroethane | 17.4 | | µg/l | | 20.0 | BRL | 87 | 70-130 | 3 | 20 |
| 1,1,2-Trichloroethane | 20.9 | | µg/l | | 20.0 | BRL | 105 | 70-130 | 3 | 20 |
| Trichloroethene | 19.6 | | µg/l | | 20.0 | 0.6 | 95 | 70-130 | 2 | 20 |
| Trichlorofluoromethane (Freon 11) | 20.8 | | µg/l | | 20.0 | BRL | 104 | 70-130 | 4 | 20 |
| 1,2,3-Trichloropropane | 20.8 | | µg/l | | 20.0 | BRL | 104 | 70-130 | 4 | 20 |
| 1,2,4-Trimethylbenzene | 20.5 | | µg/l | | 20.0 | BRL | 102 | 70-130 | 6 | 20 |
| 1,3,5-Trimethylbenzene | 20.6 | | µg/l | | 20.0 | BRL | 103 | 70-130 | 5 | 20 |
| Vinyl chloride | 22.8 | | µg/l | | 20.0 | BRL | 114 | 70-130 | 3 | 20 |
| m,p-Xylene | 20.9 | | µg/l | | 20.0 | BRL | 104 | 70-130 | 1 | 20 |
| o-Xylene | 21.8 | | µg/l | | 20.0 | BRL | 109 | 70-130 | 5 | 20 |
| Tetrahydrofuran | 18.8 | | µg/l | | 20.0 | BRL | 94 | 70-130 | 3 | 20 |
| Ethyl ether | 19.4 | | µg/l | | 20.0 | BRL | 97 | 70-130 | 3 | 20 |
| Tert-amyl methyl ether | 20.9 | | µg/l | | 20.0 | BRL | 105 | 70-130 | 4 | 20 |
| Ethyl tert-butyl ether | 14.9 | | µg/l | | 20.0 | BRL | 74 | 70-130 | 0.7 | 20 |
| Di-isopropyl ether | 18.5 | | µg/l | | 20.0 | BRL | 92 | 70-130 | 0.3 | 20 |
| Tert-Butanol / butyl alcohol | 202 | | µg/l | | 200 | BRL | 101 | 70-130 | 2 | 20 |
| 1,4-Dioxane | 185 | | µg/l | | 200 | BRL | 92 | 70-130 | 3 | 20 |
| trans-1,4-Dichloro-2-butene | 17.4 | | µg/l | | 20.0 | BRL | 87 | 70-130 | 12 | 20 |
| Ethanol | 596 | QC2 | µg/l | | 400 | BRL | 149 | 70-130 | 0.3 | 20 |
| Surrogate: 4-Bromofluorobenzene | 50.5 | | µg/l | | 50.0 | | 101 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.6 | | µg/l | | 50.0 | | 99 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.9 | | µg/l | | 50.0 | | 98 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 55.4 | | µg/l | | 50.0 | | 111 | 70-130 | | |
| Batch 1424525 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Blank (1424525-BLK1)</u> | | | | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | | | | | | |
| Acetone | < 10.0 | | µg/l | 10.0 | | | | | | |
| Acrylonitrile | < 0.5 | | µg/l | 0.5 | | | | | | |
| Benzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromochloromethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromodichloromethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| Bromoform | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromomethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--|------|-------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424525 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Blank (1424525-BLK1)</u> | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | | | | | |
| n-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Carbon disulfide | < 2.0 | | µg/l | 2.0 | | | | | | |
| Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chloroethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| Chloroform | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chloromethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | | | | | | |
| Dibromochloromethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | | | | | | |
| Dibromomethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | | | | | | |
| 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | | | | | | |
| cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | | | | | | |
| trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | | | | | | |
| Ethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | | | | | | |
| 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | | | | | | |
| Isopropylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | | | | | | |
| Methylene chloride | < 2.0 | | µg/l | 2.0 | | | | | | |
| Naphthalene | < 1.0 | | µg/l | 1.0 | | | | | | |
| n-Propylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Styrene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| Tetrachloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Toluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| Trichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|-------------|------|-------------|------|---|---------------|------------|---------------|-----|-----------|
| Batch 1424525 - SW846 5030 Water MS | | | | | | | | | | |
| Blank (1424525-BLK1) | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Vinyl chloride | < 1.0 | | µg/l | 1.0 | | | | | | |
| m,p-Xylene | < 2.0 | | µg/l | 2.0 | | | | | | |
| o-Xylene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | | | | | | |
| Ethyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | | | | | | |
| 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | | | | | | |
| Ethanol | < 400 | | µg/l | 400 | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>50.2</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>100</i> | <i>70-130</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>49.1</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>98</i> | <i>70-130</i> | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>54.7</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>109</i> | <i>70-130</i> | | |
| <i>Surrogate: Dibromofluoromethane</i> | <i>43.6</i> | | <i>µg/l</i> | | <i>50.0</i> | | <i>87</i> | <i>70-130</i> | | |
| LCS (1424525-BS1) | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| Acetone | 19.2 | | µg/l | | 20.0 | | 96 | 70-130 | | |
| Acrylonitrile | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| Benzene | 19.9 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| Bromobenzene | 19.1 | | µg/l | | 20.0 | | 96 | 70-130 | | |
| Bromochloromethane | 19.6 | | µg/l | | 20.0 | | 98 | 70-130 | | |
| Bromodichloromethane | 19.1 | | µg/l | | 20.0 | | 96 | 70-130 | | |
| Bromoform | 18.9 | | µg/l | | 20.0 | | 94 | 70-130 | | |
| Bromomethane | 22.6 | | µg/l | | 20.0 | | 113 | 70-130 | | |
| 2-Butanone (MEK) | 19.8 | | µg/l | | 20.0 | | 99 | 70-130 | | |
| n-Butylbenzene | 21.3 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| sec-Butylbenzene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| tert-Butylbenzene | 21.7 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| Carbon disulfide | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| Carbon tetrachloride | 19.0 | | µg/l | | 20.0 | | 95 | 70-130 | | |
| Chlorobenzene | 18.6 | | µg/l | | 20.0 | | 93 | 70-130 | | |
| Chloroethane | 22.3 | | µg/l | | 20.0 | | 111 | 70-130 | | |
| Chloroform | 16.9 | | µg/l | | 20.0 | | 85 | 70-130 | | |
| Chloromethane | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| 2-Chlorotoluene | 19.5 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| 4-Chlorotoluene | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 18.7 | | µg/l | | 20.0 | | 94 | 70-130 | | |
| Dibromochloromethane | 19.6 | | µg/l | | 20.0 | | 98 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| Dibromomethane | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| 1,2-Dichlorobenzene | 19.2 | | µg/l | | 20.0 | | 96 | 70-130 | | |
| 1,3-Dichlorobenzene | 19.6 | | µg/l | | 20.0 | | 98 | 70-130 | | |
| 1,4-Dichlorobenzene | 18.0 | | µg/l | | 20.0 | | 90 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 21.9 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| 1,1-Dichloroethane | 20.1 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| 1,2-Dichloroethane | 19.1 | | µg/l | | 20.0 | | 96 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--|------|-------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424525 - SW846 5030 Water MS | | | | | | | | | | |
| <u>LCS (1424525-BS1)</u> | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | | | | | |
| 1,1-Dichloroethene | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| cis-1,2-Dichloroethene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| trans-1,2-Dichloroethene | 19.7 | | µg/l | | 20.0 | | 99 | 70-130 | | |
| 1,2-Dichloropropane | 19.0 | | µg/l | | 20.0 | | 95 | 70-130 | | |
| 1,3-Dichloropropane | 19.3 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| 2,2-Dichloropropane | 19.7 | | µg/l | | 20.0 | | 98 | 70-130 | | |
| 1,1-Dichloropropene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| cis-1,3-Dichloropropene | 17.6 | | µg/l | | 20.0 | | 88 | 70-130 | | |
| trans-1,3-Dichloropropene | 17.5 | | µg/l | | 20.0 | | 88 | 70-130 | | |
| Ethylbenzene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| Hexachlorobutadiene | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| 2-Hexanone (MBK) | 18.9 | | µg/l | | 20.0 | | 94 | 70-130 | | |
| Isopropylbenzene | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| 4-Isopropyltoluene | 20.7 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| Methyl tert-butyl ether | 15.5 | | µg/l | | 20.0 | | 78 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| Methylene chloride | 19.2 | | µg/l | | 20.0 | | 96 | 70-130 | | |
| Naphthalene | 19.5 | | µg/l | | 20.0 | | 98 | 70-130 | | |
| n-Propylbenzene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| Styrene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 19.9 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| Tetrachloroethene | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| Toluene | 19.1 | | µg/l | | 20.0 | | 95 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| 1,1,1-Trichloroethane | 17.9 | | µg/l | | 20.0 | | 90 | 70-130 | | |
| 1,1,2-Trichloroethane | 19.6 | | µg/l | | 20.0 | | 98 | 70-130 | | |
| Trichloroethene | 18.7 | | µg/l | | 20.0 | | 94 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| 1,2,3-Trichloropropane | 19.0 | | µg/l | | 20.0 | | 95 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| Vinyl chloride | 21.7 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| m,p-Xylene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| o-Xylene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| Tetrahydrofuran | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| Ethyl ether | 19.5 | | µg/l | | 20.0 | | 98 | 70-130 | | |
| Tert-amyl methyl ether | 18.5 | | µg/l | | 20.0 | | 93 | 70-130 | | |
| Ethyl tert-butyl ether | 14.3 | | µg/l | | 20.0 | | 72 | 70-130 | | |
| Di-isopropyl ether | 15.9 | | µg/l | | 20.0 | | 80 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 171 | | µg/l | | 200 | | 86 | 70-130 | | |
| 1,4-Dioxane | 149 | | µg/l | | 200 | | 74 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 15.7 | | µg/l | | 20.0 | | 78 | 70-130 | | |
| Ethanol | 446 | | µg/l | | 400 | | 111 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 50.8 | | µg/l | | 50.0 | | 102 | 70-130 | | |
| Surrogate: Toluene-d8 | 50.1 | | µg/l | | 50.0 | | 100 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 51.6 | | µg/l | | 50.0 | | 103 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 45.4 | | µg/l | | 50.0 | | 91 | 70-130 | | |
| <u>LCS Dup (1424525-BSD1)</u> | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424525 - SW846 5030 Water MS | | | | | | | | | | |
| <u>LCS Dup (1424525-BSD1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 19.6 | | µg/l | | 20.0 | | 98 | 70-130 | 3 | 20 |
| Acetone | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 6 | 20 |
| Acrylonitrile | 22.4 | | µg/l | | 20.0 | | 112 | 70-130 | 8 | 20 |
| Benzene | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 1 | 20 |
| Bromobenzene | 20.1 | | µg/l | | 20.0 | | 100 | 70-130 | 5 | 20 |
| Bromochloromethane | 23.2 | | µg/l | | 20.0 | | 116 | 70-130 | 17 | 20 |
| Bromodichloromethane | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 6 | 20 |
| Bromoform | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | 7 | 20 |
| Bromomethane | 22.6 | | µg/l | | 20.0 | | 113 | 70-130 | 0 | 20 |
| 2-Butanone (MEK) | 15.6 | | µg/l | | 20.0 | | 78 | 70-130 | 24 | 20 |
| n-Butylbenzene | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | 2 | 20 |
| sec-Butylbenzene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | 0.4 | 20 |
| tert-Butylbenzene | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | 0.8 | 20 |
| Carbon disulfide | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | 2 | 20 |
| Carbon tetrachloride | 19.2 | | µg/l | | 20.0 | | 96 | 70-130 | 0.9 | 20 |
| Chlorobenzene | 19.0 | | µg/l | | 20.0 | | 95 | 70-130 | 3 | 20 |
| Chloroethane | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | 3 | 20 |
| Chloroform | 20.1 | | µg/l | | 20.0 | | 100 | 70-130 | 17 | 20 |
| Chloromethane | 21.7 | | µg/l | | 20.0 | | 109 | 70-130 | 1 | 20 |
| 2-Chlorotoluene | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | 4 | 20 |
| 4-Chlorotoluene | 20.7 | | µg/l | | 20.0 | | 103 | 70-130 | 2 | 20 |
| 1,2-Dibromo-3-chloropropane | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 8 | 20 |
| Dibromochloromethane | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 5 | 20 |
| 1,2-Dibromoethane (EDB) | 21.7 | | µg/l | | 20.0 | | 108 | 70-130 | 7 | 20 |
| Dibromomethane | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | 7 | 20 |
| 1,2-Dichlorobenzene | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | 5 | 20 |
| 1,3-Dichlorobenzene | 19.9 | | µg/l | | 20.0 | | 99 | 70-130 | 2 | 20 |
| 1,4-Dichlorobenzene | 18.8 | | µg/l | | 20.0 | | 94 | 70-130 | 5 | 20 |
| Dichlorodifluoromethane (Freon12) | 20.9 | | µg/l | | 20.0 | | 105 | 70-130 | 5 | 20 |
| 1,1-Dichloroethane | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 1 | 20 |
| 1,2-Dichloroethane | 20.3 | | µg/l | | 20.0 | | 102 | 70-130 | 6 | 20 |
| 1,1-Dichloroethene | 19.8 | | µg/l | | 20.0 | | 99 | 70-130 | 2 | 20 |
| cis-1,2-Dichloroethene | 22.1 | | µg/l | | 20.0 | | 111 | 70-130 | 7 | 20 |
| trans-1,2-Dichloroethene | 20.1 | | µg/l | | 20.0 | | 100 | 70-130 | 2 | 20 |
| 1,2-Dichloropropane | 20.1 | | µg/l | | 20.0 | | 100 | 70-130 | 5 | 20 |
| 1,3-Dichloropropane | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 7 | 20 |
| 2,2-Dichloropropane | 21.7 | | µg/l | | 20.0 | | 109 | 70-130 | 10 | 20 |
| 1,1-Dichloropropene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 0.9 | 20 |
| cis-1,3-Dichloropropene | 18.4 | | µg/l | | 20.0 | | 92 | 70-130 | 5 | 20 |
| trans-1,3-Dichloropropene | 18.5 | | µg/l | | 20.0 | | 93 | 70-130 | 5 | 20 |
| Ethylbenzene | 20.3 | | µg/l | | 20.0 | | 102 | 70-130 | 1 | 20 |
| Hexachlorobutadiene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 6 | 20 |
| 2-Hexanone (MBK) | 20.9 | | µg/l | | 20.0 | | 104 | 70-130 | 10 | 20 |
| Isopropylbenzene | 19.7 | | µg/l | | 20.0 | | 99 | 70-130 | 1 | 20 |
| 4-Isopropyltoluene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | 1 | 20 |
| Methyl tert-butyl ether | 17.5 | | µg/l | | 20.0 | | 88 | 70-130 | 12 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 21.3 | | µg/l | | 20.0 | | 107 | 70-130 | 5 | 20 |
| Methylene chloride | 19.2 | | µg/l | | 20.0 | | 96 | 70-130 | 0.2 | 20 |
| Naphthalene | 20.9 | | µg/l | | 20.0 | | 105 | 70-130 | 7 | 20 |
| n-Propylbenzene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | 0.4 | 20 |
| Styrene | 21.8 | | µg/l | | 20.0 | | 109 | 70-130 | 4 | 20 |
| 1,1,1,2-Tetrachloroethane | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | 4 | 20 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424525 - SW846 5030 Water MS | | | | | | | | | | |
| <u>LCS Dup (1424525-BSD1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2,2-Tetrachloroethane | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 6 | 20 |
| Tetrachloroethene | 19.6 | | µg/l | | 20.0 | | 98 | 70-130 | 1 | 20 |
| Toluene | 19.3 | | µg/l | | 20.0 | | 96 | 70-130 | 0.9 | 20 |
| 1,2,3-Trichlorobenzene | 22.2 | | µg/l | | 20.0 | | 111 | 70-130 | 4 | 20 |
| 1,2,4-Trichlorobenzene | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | 4 | 20 |
| 1,3,5-Trichlorobenzene | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | 4 | 20 |
| 1,1,1-Trichloroethane | 18.9 | | µg/l | | 20.0 | | 95 | 70-130 | 5 | 20 |
| 1,1,2-Trichloroethane | 20.9 | | µg/l | | 20.0 | | 105 | 70-130 | 6 | 20 |
| Trichloroethene | 18.9 | | µg/l | | 20.0 | | 95 | 70-130 | 1 | 20 |
| Trichlorofluoromethane (Freon 11) | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | 3 | 20 |
| 1,2,3-Trichloropropane | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | 8 | 20 |
| 1,2,4-Trimethylbenzene | 21.3 | | µg/l | | 20.0 | | 106 | 70-130 | 0.9 | 20 |
| 1,3,5-Trimethylbenzene | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | 0.1 | 20 |
| Vinyl chloride | 21.7 | | µg/l | | 20.0 | | 109 | 70-130 | 0.3 | 20 |
| m,p-Xylene | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 2 | 20 |
| o-Xylene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | 2 | 20 |
| Tetrahydrofuran | 19.3 | | µg/l | | 20.0 | | 96 | 70-130 | 9 | 20 |
| Ethyl ether | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 4 | 20 |
| Tert-amyl methyl ether | 19.6 | | µg/l | | 20.0 | | 98 | 70-130 | 6 | 20 |
| Ethyl tert-butyl ether | 19.3 | QR5 | µg/l | | 20.0 | | 97 | 70-130 | 30 | 20 |
| Di-isopropyl ether | 19.5 | | µg/l | | 20.0 | | 97 | 70-130 | 20 | 20 |
| Tert-Butanol / butyl alcohol | 184 | | µg/l | | 200 | | 92 | 70-130 | 7 | 20 |
| 1,4-Dioxane | 195 | QR5 | µg/l | | 200 | | 98 | 70-130 | 27 | 20 |
| trans-1,4-Dichloro-2-butene | 17.2 | | µg/l | | 20.0 | | 86 | 70-130 | 9 | 20 |
| Ethanol | 526 | QM9 | µg/l | | 400 | | 131 | 70-130 | 16 | 20 |
| Surrogate: 4-Bromofluorobenzene | 50.1 | | µg/l | | 50.0 | | 100 | 70-130 | | |
| Surrogate: Toluene-d8 | 51.2 | | µg/l | | 50.0 | | 102 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 51.0 | | µg/l | | 50.0 | | 102 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 54.4 | | µg/l | | 50.0 | | 109 | 70-130 | | |
| Batch 1424541 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Blank (1424541-BLK1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 1.0 | | µg/l | 1.0 | | | | | | |
| Acetone | < 10.0 | | µg/l | 10.0 | | | | | | |
| Acrylonitrile | < 0.5 | | µg/l | 0.5 | | | | | | |
| Benzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromochloromethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromodichloromethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| Bromoform | < 1.0 | | µg/l | 1.0 | | | | | | |
| Bromomethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| 2-Butanone (MEK) | < 10.0 | | µg/l | 10.0 | | | | | | |
| n-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| sec-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| tert-Butylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Carbon disulfide | < 2.0 | | µg/l | 2.0 | | | | | | |
| Carbon tetrachloride | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chloroethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| Chloroform | < 1.0 | | µg/l | 1.0 | | | | | | |
| Chloromethane | < 2.0 | | µg/l | 2.0 | | | | | | |
| 2-Chlorotoluene | < 1.0 | | µg/l | 1.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--|------|-------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424541 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Blank (1424541-BLK1)</u> | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | | | | | |
| 4-Chlorotoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 2.0 | | µg/l | 2.0 | | | | | | |
| Dibromochloromethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 0.5 | | µg/l | 0.5 | | | | | | |
| Dibromomethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,4-Dichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 2.0 | | µg/l | 2.0 | | | | | | |
| 1,1-Dichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| cis-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| trans-1,2-Dichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 2,2-Dichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1-Dichloropropene | < 1.0 | | µg/l | 1.0 | | | | | | |
| cis-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | | | | | | |
| trans-1,3-Dichloropropene | < 0.5 | | µg/l | 0.5 | | | | | | |
| Ethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Hexachlorobutadiene | < 0.5 | | µg/l | 0.5 | | | | | | |
| 2-Hexanone (MBK) | < 10.0 | | µg/l | 10.0 | | | | | | |
| Isopropylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Isopropyltoluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Methyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 10.0 | | µg/l | 10.0 | | | | | | |
| Methylene chloride | < 2.0 | | µg/l | 2.0 | | | | | | |
| Naphthalene | < 1.0 | | µg/l | 1.0 | | | | | | |
| n-Propylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Styrene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 0.5 | | µg/l | 0.5 | | | | | | |
| Tetrachloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Toluene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,1-Trichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,1,2-Trichloroethane | < 1.0 | | µg/l | 1.0 | | | | | | |
| Trichloroethene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,3-Trichloropropane | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Vinyl chloride | < 1.0 | | µg/l | 1.0 | | | | | | |
| m,p-Xylene | < 2.0 | | µg/l | 2.0 | | | | | | |
| o-Xylene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tetrahydrofuran | < 2.0 | | µg/l | 2.0 | | | | | | |
| Ethyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tert-amyl methyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Ethyl tert-butyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424541 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Blank (1424541-BLK1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| Di-isopropyl ether | < 1.0 | | µg/l | 1.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 10.0 | | µg/l | 10.0 | | | | | | |
| 1,4-Dioxane | < 20.0 | | µg/l | 20.0 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 5.0 | | µg/l | 5.0 | | | | | | |
| Ethanol | < 400 | | µg/l | 400 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 48.4 | | µg/l | | 50.0 | | 97 | 70-130 | | |
| Surrogate: Toluene-d8 | 50.6 | | µg/l | | 50.0 | | 101 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 54.5 | | µg/l | | 50.0 | | 109 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 55.7 | | µg/l | | 50.0 | | 111 | 70-130 | | |
| <u>LCS (1424541-BS1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| Acetone | 18.9 | | µg/l | | 20.0 | | 95 | 70-130 | | |
| Acrylonitrile | 17.9 | | µg/l | | 20.0 | | 89 | 70-130 | | |
| Benzene | 20.3 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| Bromobenzene | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| Bromochloromethane | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| Bromodichloromethane | 24.0 | | µg/l | | 20.0 | | 120 | 70-130 | | |
| Bromoform | 22.8 | | µg/l | | 20.0 | | 114 | 70-130 | | |
| Bromomethane | 17.2 | | µg/l | | 20.0 | | 86 | 70-130 | | |
| 2-Butanone (MEK) | 19.8 | | µg/l | | 20.0 | | 99 | 70-130 | | |
| n-Butylbenzene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| sec-Butylbenzene | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| tert-Butylbenzene | 21.7 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| Carbon disulfide | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| Carbon tetrachloride | 24.6 | | µg/l | | 20.0 | | 123 | 70-130 | | |
| Chlorobenzene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| Chloroethane | 18.3 | | µg/l | | 20.0 | | 91 | 70-130 | | |
| Chloroform | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| Chloromethane | 16.3 | | µg/l | | 20.0 | | 82 | 70-130 | | |
| 2-Chlorotoluene | 20.5 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| 4-Chlorotoluene | 20.9 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 23.2 | | µg/l | | 20.0 | | 116 | 70-130 | | |
| Dibromochloromethane | 25.5 | | µg/l | | 20.0 | | 128 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| Dibromomethane | 20.5 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| 1,2-Dichlorobenzene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| 1,3-Dichlorobenzene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 1,4-Dichlorobenzene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| 1,1-Dichloroethane | 20.5 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| 1,2-Dichloroethane | 21.5 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| 1,1-Dichloroethene | 19.0 | | µg/l | | 20.0 | | 95 | 70-130 | | |
| cis-1,2-Dichloroethene | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| trans-1,2-Dichloroethene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| 1,2-Dichloropropane | 20.5 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| 1,3-Dichloropropane | 20.3 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| 2,2-Dichloropropane | 27.3 | QC2 | µg/l | | 20.0 | | 136 | 70-130 | | |
| 1,1-Dichloropropene | 21.7 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| cis-1,3-Dichloropropene | 25.4 | | µg/l | | 20.0 | | 127 | 70-130 | | |
| trans-1,3-Dichloropropene | 25.9 | | µg/l | | 20.0 | | 129 | 70-130 | | |
| Ethylbenzene | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|--|---------------|------|-------------|------|-----------|
| Batch 1424541 - SW846 5030 Water MS | | | | | | | | | | |
| <u>LCS (1424541-BS1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| Hexachlorobutadiene | 21.5 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| 2-Hexanone (MBK) | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| Isopropylbenzene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| 4-Isopropyltoluene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| Methyl tert-butyl ether | 21.7 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| Methylene chloride | 18.7 | | µg/l | | 20.0 | | 93 | 70-130 | | |
| Naphthalene | 20.6 | | µg/l | | 20.0 | | 103 | 70-130 | | |
| n-Propylbenzene | 21.3 | | µg/l | | 20.0 | | 106 | 70-130 | | |
| Styrene | 21.5 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 23.5 | | µg/l | | 20.0 | | 117 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 21.3 | | µg/l | | 20.0 | | 107 | 70-130 | | |
| Tetrachloroethene | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| Toluene | 20.5 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | | |
| 1,1,1-Trichloroethane | 23.4 | | µg/l | | 20.0 | | 117 | 70-130 | | |
| 1,1,2-Trichloroethane | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| Trichloroethene | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 22.2 | | µg/l | | 20.0 | | 111 | 70-130 | | |
| 1,2,3-Trichloropropane | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 21.7 | | µg/l | | 20.0 | | 108 | 70-130 | | |
| Vinyl chloride | 18.9 | | µg/l | | 20.0 | | 94 | 70-130 | | |
| m,p-Xylene | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| o-Xylene | 21.0 | | µg/l | | 20.0 | | 105 | 70-130 | | |
| Tetrahydrofuran | 19.4 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| Ethyl ether | 19.1 | | µg/l | | 20.0 | | 96 | 70-130 | | |
| Tert-amyl methyl ether | 21.8 | | µg/l | | 20.0 | | 109 | 70-130 | | |
| Ethyl tert-butyl ether | 22.4 | | µg/l | | 20.0 | | 112 | 70-130 | | |
| Di-isopropyl ether | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 197 | | µg/l | | 200 | | 99 | 70-130 | | |
| 1,4-Dioxane | 189 | | µg/l | | 200 | | 94 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 22.5 | | µg/l | | 20.0 | | 113 | 70-130 | | |
| Ethanol | 337 | | µg/l | | 400 | | 84 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 51.4 | | µg/l | | 50.0 | | 103 | 70-130 | | |
| Surrogate: Toluene-d8 | 50.4 | | µg/l | | 50.0 | | 101 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 52.2 | | µg/l | | 50.0 | | 104 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 52.9 | | µg/l | | 50.0 | | 106 | 70-130 | | |
| <u>LCS Dup (1424541-BSD1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | 1 | 20 |
| Acetone | 17.4 | | µg/l | | 20.0 | | 87 | 70-130 | 8 | 20 |
| Acrylonitrile | 18.4 | | µg/l | | 20.0 | | 92 | 70-130 | 3 | 20 |
| Benzene | 20.5 | | µg/l | | 20.0 | | 102 | 70-130 | 1 | 20 |
| Bromobenzene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 1 | 20 |
| Bromochloromethane | 20.5 | | µg/l | | 20.0 | | 102 | 70-130 | 0.5 | 20 |
| Bromodichloromethane | 25.2 | | µg/l | | 20.0 | | 126 | 70-130 | 5 | 20 |
| Bromoform | 22.8 | | µg/l | | 20.0 | | 114 | 70-130 | 0.04 | 20 |
| Bromomethane | 16.1 | | µg/l | | 20.0 | | 80 | 70-130 | 6 | 20 |
| 2-Butanone (MEK) | 19.8 | | µg/l | | 20.0 | | 99 | 70-130 | 0.2 | 20 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--|------|-------|------|-------------|---------------|------|-------------|------|-----------|
| Batch 1424541 - SW846 5030 Water MS | | | | | | | | | | |
| <u>LCS Dup (1424541-BSD1)</u> | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | | | | | |
| n-Butylbenzene | 21.3 | | µg/l | | 20.0 | | 107 | 70-130 | 0.4 | 20 |
| sec-Butylbenzene | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | 1 | 20 |
| tert-Butylbenzene | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | 1 | 20 |
| Carbon disulfide | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | 3 | 20 |
| Carbon tetrachloride | 24.6 | | µg/l | | 20.0 | | 123 | 70-130 | 0.3 | 20 |
| Chlorobenzene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 1 | 20 |
| Chloroethane | 17.8 | | µg/l | | 20.0 | | 89 | 70-130 | 3 | 20 |
| Chloroform | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 1 | 20 |
| Chloromethane | 15.9 | | µg/l | | 20.0 | | 80 | 70-130 | 2 | 20 |
| 2-Chlorotoluene | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 0.9 | 20 |
| 4-Chlorotoluene | 20.8 | | µg/l | | 20.0 | | 104 | 70-130 | 0.4 | 20 |
| 1,2-Dibromo-3-chloropropane | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | 5 | 20 |
| Dibromochloromethane | 26.0 | | µg/l | | 20.0 | | 130 | 70-130 | 2 | 20 |
| 1,2-Dibromoethane (EDB) | 21.9 | | µg/l | | 20.0 | | 110 | 70-130 | 2 | 20 |
| Dibromomethane | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | 3 | 20 |
| 1,2-Dichlorobenzene | 20.7 | | µg/l | | 20.0 | | 103 | 70-130 | 0.4 | 20 |
| 1,3-Dichlorobenzene | 20.9 | | µg/l | | 20.0 | | 105 | 70-130 | 0.7 | 20 |
| 1,4-Dichlorobenzene | 20.0 | | µg/l | | 20.0 | | 100 | 70-130 | 0.3 | 20 |
| Dichlorodifluoromethane (Freon12) | 18.9 | | µg/l | | 20.0 | | 94 | 70-130 | 3 | 20 |
| 1,1-Dichloroethane | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 0.2 | 20 |
| 1,2-Dichloroethane | 21.5 | | µg/l | | 20.0 | | 108 | 70-130 | 0.09 | 20 |
| 1,1-Dichloroethene | 19.8 | | µg/l | | 20.0 | | 99 | 70-130 | 4 | 20 |
| cis-1,2-Dichloroethene | 20.4 | | µg/l | | 20.0 | | 102 | 70-130 | 1 | 20 |
| trans-1,2-Dichloroethene | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | 2 | 20 |
| 1,2-Dichloropropane | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 4 | 20 |
| 1,3-Dichloropropane | 20.5 | | µg/l | | 20.0 | | 102 | 70-130 | 0.8 | 20 |
| 2,2-Dichloropropane | 26.7 | QC2 | µg/l | | 20.0 | | 134 | 70-130 | 2 | 20 |
| 1,1-Dichloropropene | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | 2 | 20 |
| cis-1,3-Dichloropropene | 25.8 | | µg/l | | 20.0 | | 129 | 70-130 | 1 | 20 |
| trans-1,3-Dichloropropene | 26.4 | QM9 | µg/l | | 20.0 | | 132 | 70-130 | 2 | 20 |
| Ethylbenzene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 0.8 | 20 |
| Hexachlorobutadiene | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | 0.7 | 20 |
| 2-Hexanone (MBK) | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | 4 | 20 |
| Isopropylbenzene | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | 0.2 | 20 |
| 4-Isopropyltoluene | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | 0.6 | 20 |
| Methyl tert-butyl ether | 22.3 | | µg/l | | 20.0 | | 112 | 70-130 | 3 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 21.1 | | µg/l | | 20.0 | | 106 | 70-130 | 2 | 20 |
| Methylene chloride | 18.8 | | µg/l | | 20.0 | | 94 | 70-130 | 0.6 | 20 |
| Naphthalene | 20.5 | | µg/l | | 20.0 | | 103 | 70-130 | 0.3 | 20 |
| n-Propylbenzene | 21.2 | | µg/l | | 20.0 | | 106 | 70-130 | 0.05 | 20 |
| Styrene | 21.5 | | µg/l | | 20.0 | | 108 | 70-130 | 0 | 20 |
| 1,1,1,2-Tetrachloroethane | 23.6 | | µg/l | | 20.0 | | 118 | 70-130 | 0.4 | 20 |
| 1,1,2,2-Tetrachloroethane | 21.6 | | µg/l | | 20.0 | | 108 | 70-130 | 1 | 20 |
| Tetrachloroethene | 22.4 | | µg/l | | 20.0 | | 112 | 70-130 | 2 | 20 |
| Toluene | 20.9 | | µg/l | | 20.0 | | 104 | 70-130 | 2 | 20 |
| 1,2,3-Trichlorobenzene | 19.6 | | µg/l | | 20.0 | | 98 | 70-130 | 2 | 20 |
| 1,2,4-Trichlorobenzene | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 0.8 | 20 |
| 1,3,5-Trichlorobenzene | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 3 | 20 |
| 1,1,1-Trichloroethane | 23.3 | | µg/l | | 20.0 | | 117 | 70-130 | 0.5 | 20 |
| 1,1,2-Trichloroethane | 20.9 | | µg/l | | 20.0 | | 104 | 70-130 | 4 | 20 |
| Trichloroethene | 20.3 | | µg/l | | 20.0 | | 102 | 70-130 | 0.4 | 20 |
| Trichlorofluoromethane (Freon 11) | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | 1 | 20 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|--|---------------|--|-------------|------|-----------|
| Batch 1424541 - SW846 5030 Water MS | | | | | | | | | | |
| <u>LCS Dup (1424541-BSD1)</u> | | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,2,3-Trichloropropane | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 0.7 | 20 |
| 1,2,4-Trimethylbenzene | 21.8 | | µg/l | | 20.0 | | 109 | 70-130 | 1 | 20 |
| 1,3,5-Trimethylbenzene | 21.7 | | µg/l | | 20.0 | | 109 | 70-130 | 0.05 | 20 |
| Vinyl chloride | 18.9 | | µg/l | | 20.0 | | 95 | 70-130 | 0.05 | 20 |
| m,p-Xylene | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | 2 | 20 |
| o-Xylene | 21.4 | | µg/l | | 20.0 | | 107 | 70-130 | 2 | 20 |
| Tetrahydrofuran | 19.8 | | µg/l | | 20.0 | | 99 | 70-130 | 2 | 20 |
| Ethyl ether | 19.2 | | µg/l | | 20.0 | | 96 | 70-130 | 0.6 | 20 |
| Tert-amyl methyl ether | 22.0 | | µg/l | | 20.0 | | 110 | 70-130 | 0.8 | 20 |
| Ethyl tert-butyl ether | 22.6 | | µg/l | | 20.0 | | 113 | 70-130 | 0.9 | 20 |
| Di-isopropyl ether | 20.2 | | µg/l | | 20.0 | | 101 | 70-130 | 1 | 20 |
| Tert-Butanol / butyl alcohol | 198 | | µg/l | | 200 | | 99 | 70-130 | 0.3 | 20 |
| 1,4-Dioxane | 205 | | µg/l | | 200 | | 103 | 70-130 | 8 | 20 |
| trans-1,4-Dichloro-2-butene | 22.6 | | µg/l | | 20.0 | | 113 | 70-130 | 0.4 | 20 |
| Ethanol | 336 | | µg/l | | 400 | | 84 | 70-130 | 0.1 | 20 |
| Surrogate: 4-Bromofluorobenzene | 50.2 | | µg/l | | 50.0 | | 100 | 70-130 | | |
| Surrogate: Toluene-d8 | 51.2 | | µg/l | | 50.0 | | 102 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 51.9 | | µg/l | | 50.0 | | 104 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 54.1 | | µg/l | | 50.0 | | 108 | 70-130 | | |
| <u>Matrix Spike (1424541-MS1)</u> | | | | | <u>Source: SB98147-18</u> | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 20.6 | D | µg/l | | 20.0 | BRL | 103 | 70-130 | | |
| Acetone | 18.0 | D | µg/l | | 20.0 | BRL | 90 | 70-130 | | |
| Acrylonitrile | 18.9 | D | µg/l | | 20.0 | BRL | 94 | 70-130 | | |
| Benzene | 20.7 | D | µg/l | | 20.0 | BRL | 103 | 70-130 | | |
| Bromobenzene | 20.2 | D | µg/l | | 20.0 | BRL | 101 | 70-130 | | |
| Bromochloromethane | 21.0 | D | µg/l | | 20.0 | BRL | 105 | 70-130 | | |
| Bromodichloromethane | 24.6 | D | µg/l | | 20.0 | BRL | 123 | 70-130 | | |
| Bromoform | 20.4 | D | µg/l | | 20.0 | BRL | 102 | 70-130 | | |
| Bromomethane | 16.6 | D | µg/l | | 20.0 | BRL | 83 | 70-130 | | |
| 2-Butanone (MEK) | 19.2 | D | µg/l | | 20.0 | BRL | 96 | 70-130 | | |
| n-Butylbenzene | 19.2 | D | µg/l | | 20.0 | BRL | 96 | 70-130 | | |
| sec-Butylbenzene | 19.9 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | | |
| tert-Butylbenzene | 20.2 | D | µg/l | | 20.0 | BRL | 101 | 70-130 | | |
| Carbon disulfide | 16.5 | D | µg/l | | 20.0 | BRL | 82 | 70-130 | | |
| Carbon tetrachloride | 23.4 | D | µg/l | | 20.0 | BRL | 117 | 70-130 | | |
| Chlorobenzene | 19.6 | D | µg/l | | 20.0 | BRL | 98 | 70-130 | | |
| Chloroethane | 17.4 | D | µg/l | | 20.0 | BRL | 87 | 70-130 | | |
| Chloroform | 21.4 | D | µg/l | | 20.0 | BRL | 107 | 70-130 | | |
| Chloromethane | 14.3 | D | µg/l | | 20.0 | BRL | 71 | 70-130 | | |
| 2-Chlorotoluene | 19.5 | D | µg/l | | 20.0 | BRL | 98 | 70-130 | | |
| 4-Chlorotoluene | 19.9 | D | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 19.6 | D | µg/l | | 20.0 | BRL | 98 | 70-130 | | |
| Dibromochloromethane | 26.0 | D | µg/l | | 20.0 | BRL | 130 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 22.2 | D | µg/l | | 20.0 | BRL | 111 | 70-130 | | |
| Dibromomethane | 21.9 | D | µg/l | | 20.0 | BRL | 110 | 70-130 | | |
| 1,2-Dichlorobenzene | 19.4 | D | µg/l | | 20.0 | BRL | 97 | 70-130 | | |
| 1,3-Dichlorobenzene | 19.8 | D | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| 1,4-Dichlorobenzene | 18.7 | D | µg/l | | 20.0 | BRL | 93 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 17.0 | D | µg/l | | 20.0 | BRL | 85 | 70-130 | | |
| 1,1-Dichloroethane | 20.6 | D | µg/l | | 20.0 | BRL | 103 | 70-130 | | |
| 1,2-Dichloroethane | 22.6 | D | µg/l | | 20.0 | BRL | 113 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|----------------------------------|------|-------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424541 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Matrix Spike (1424541-MS1)</u> | <u>Source: SB98147-18</u> | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |
| 1,1-Dichloroethene | 18.9 | D | µg/l | | 20.0 | BRL | 94 | 70-130 | | |
| cis-1,2-Dichloroethene | 20.6 | D | µg/l | | 20.0 | BRL | 103 | 70-130 | | |
| trans-1,2-Dichloroethene | 19.9 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | | |
| 1,2-Dichloropropane | 21.7 | D | µg/l | | 20.0 | BRL | 109 | 70-130 | | |
| 1,3-Dichloropropane | 21.1 | D | µg/l | | 20.0 | BRL | 106 | 70-130 | | |
| 2,2-Dichloropropane | 22.6 | D | µg/l | | 20.0 | BRL | 113 | 70-130 | | |
| 1,1-Dichloropropene | 21.5 | D | µg/l | | 20.0 | BRL | 107 | 70-130 | | |
| cis-1,3-Dichloropropene | 24.6 | D | µg/l | | 20.0 | BRL | 123 | 70-130 | | |
| trans-1,3-Dichloropropene | 24.5 | D | µg/l | | 20.0 | BRL | 122 | 70-130 | | |
| Ethylbenzene | 19.9 | D | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| Hexachlorobutadiene | 18.8 | D | µg/l | | 20.0 | BRL | 94 | 70-130 | | |
| 2-Hexanone (MBK) | 20.1 | D | µg/l | | 20.0 | BRL | 101 | 70-130 | | |
| Isopropylbenzene | 19.8 | D | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| 4-Isopropyltoluene | 19.7 | D | µg/l | | 20.0 | BRL | 98 | 70-130 | | |
| Methyl tert-butyl ether | 21.3 | D | µg/l | | 20.0 | BRL | 107 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 20.6 | D | µg/l | | 20.0 | BRL | 103 | 70-130 | | |
| Methylene chloride | 18.7 | D | µg/l | | 20.0 | BRL | 94 | 70-130 | | |
| Naphthalene | 17.2 | D | µg/l | | 20.0 | BRL | 86 | 70-130 | | |
| n-Propylbenzene | 19.8 | D | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| Styrene | 20.0 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 21.7 | D | µg/l | | 20.0 | BRL | 109 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 20.1 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | | |
| Tetrachloroethene | 22.5 | D | µg/l | | 20.0 | BRL | 113 | 70-130 | | |
| Toluene | 21.2 | D | µg/l | | 20.0 | BRL | 106 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 17.7 | D | µg/l | | 20.0 | BRL | 89 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 17.9 | D | µg/l | | 20.0 | BRL | 90 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 18.6 | D | µg/l | | 20.0 | BRL | 93 | 70-130 | | |
| 1,1,1-Trichloroethane | 23.2 | D | µg/l | | 20.0 | BRL | 116 | 70-130 | | |
| 1,1,2-Trichloroethane | 21.2 | D | µg/l | | 20.0 | BRL | 106 | 70-130 | | |
| Trichloroethene | 21.5 | D | µg/l | | 20.0 | 0.09 | 107 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 20.9 | D | µg/l | | 20.0 | BRL | 104 | 70-130 | | |
| 1,2,3-Trichloropropane | 19.1 | D | µg/l | | 20.0 | BRL | 96 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 20.8 | D | µg/l | | 20.0 | BRL | 104 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 20.8 | D | µg/l | | 20.0 | BRL | 104 | 70-130 | | |
| Vinyl chloride | 16.9 | D | µg/l | | 20.0 | BRL | 85 | 70-130 | | |
| m,p-Xylene | 19.8 | D | µg/l | | 20.0 | BRL | 99 | 70-130 | | |
| o-Xylene | 20.1 | D | µg/l | | 20.0 | BRL | 101 | 70-130 | | |
| Tetrahydrofuran | 19.2 | D | µg/l | | 20.0 | BRL | 96 | 70-130 | | |
| Ethyl ether | 18.8 | D | µg/l | | 20.0 | BRL | 94 | 70-130 | | |
| Tert-amyl methyl ether | 21.2 | D | µg/l | | 20.0 | BRL | 106 | 70-130 | | |
| Ethyl tert-butyl ether | 21.9 | D | µg/l | | 20.0 | BRL | 110 | 70-130 | | |
| Di-isopropyl ether | 20.9 | D | µg/l | | 20.0 | BRL | 104 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 197 | D | µg/l | | 200 | BRL | 98 | 70-130 | | |
| 1,4-Dioxane | 187 | D | µg/l | | 200 | BRL | 93 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 17.6 | D | µg/l | | 20.0 | BRL | 88 | 70-130 | | |
| Ethanol | 326 | D | µg/l | | 400 | BRL | 82 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 50.4 | | µg/l | | 50.0 | | 101 | 70-130 | | |
| Surrogate: Toluene-d8 | 53.6 | | µg/l | | 50.0 | | 107 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 54.3 | | µg/l | | 50.0 | | 109 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 54.2 | | µg/l | | 50.0 | | 108 | 70-130 | | |
| <u>Matrix Spike Dup (1424541-MSD1)</u> | <u>Source: SB98147-18</u> | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|---------------------------|------|-------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424541 - SW846 5030 Water MS | | | | | | | | | | |
| Matrix Spike Dup (1424541-MSD1) | Source: SB98147-18 | | | | Prepared & Analyzed: 17-Oct-14 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 20.0 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | 3 | 20 |
| Acetone | 20.6 | D | µg/l | | 20.0 | BRL | 103 | 70-130 | 13 | 20 |
| Acrylonitrile | 18.6 | D | µg/l | | 20.0 | BRL | 93 | 70-130 | 1 | 20 |
| Benzene | 20.0 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | 3 | 20 |
| Bromobenzene | 20.4 | D | µg/l | | 20.0 | BRL | 102 | 70-130 | 0.8 | 20 |
| Bromochloromethane | 20.6 | D | µg/l | | 20.0 | BRL | 103 | 70-130 | 2 | 20 |
| Bromodichloromethane | 25.6 | D | µg/l | | 20.0 | BRL | 128 | 70-130 | 4 | 20 |
| Bromoform | 20.6 | D | µg/l | | 20.0 | BRL | 103 | 70-130 | 1 | 20 |
| Bromomethane | 15.4 | D | µg/l | | 20.0 | BRL | 77 | 70-130 | 8 | 20 |
| 2-Butanone (MEK) | 20.1 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | 4 | 20 |
| n-Butylbenzene | 19.0 | D | µg/l | | 20.0 | BRL | 95 | 70-130 | 1 | 20 |
| sec-Butylbenzene | 19.6 | D | µg/l | | 20.0 | BRL | 98 | 70-130 | 2 | 20 |
| tert-Butylbenzene | 20.1 | D | µg/l | | 20.0 | BRL | 101 | 70-130 | 0.4 | 20 |
| Carbon disulfide | 15.7 | D | µg/l | | 20.0 | BRL | 79 | 70-130 | 5 | 20 |
| Carbon tetrachloride | 21.8 | D | µg/l | | 20.0 | BRL | 109 | 70-130 | 7 | 20 |
| Chlorobenzene | 19.6 | D | µg/l | | 20.0 | BRL | 98 | 70-130 | 0 | 20 |
| Chloroethane | 16.8 | D | µg/l | | 20.0 | BRL | 84 | 70-130 | 4 | 20 |
| Chloroform | 20.8 | D | µg/l | | 20.0 | BRL | 104 | 70-130 | 3 | 20 |
| Chloromethane | 14.0 | D | µg/l | | 20.0 | BRL | 70 | 70-130 | 2 | 20 |
| 2-Chlorotoluene | 19.4 | D | µg/l | | 20.0 | BRL | 97 | 70-130 | 0.4 | 20 |
| 4-Chlorotoluene | 19.8 | D | µg/l | | 20.0 | BRL | 99 | 70-130 | 0.2 | 20 |
| 1,2-Dibromo-3-chloropropane | 20.0 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | 2 | 20 |
| Dibromochloromethane | 26.1 | D | µg/l | | 20.0 | BRL | 130 | 70-130 | 0.5 | 20 |
| 1,2-Dibromoethane (EDB) | 21.9 | D | µg/l | | 20.0 | BRL | 109 | 70-130 | 1 | 20 |
| Dibromomethane | 21.5 | D | µg/l | | 20.0 | BRL | 108 | 70-130 | 2 | 20 |
| 1,2-Dichlorobenzene | 19.4 | D | µg/l | | 20.0 | BRL | 97 | 70-130 | 0.2 | 20 |
| 1,3-Dichlorobenzene | 19.9 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | 0.9 | 20 |
| 1,4-Dichlorobenzene | 18.6 | D | µg/l | | 20.0 | BRL | 93 | 70-130 | 0.2 | 20 |
| Dichlorodifluoromethane (Freon12) | 16.1 | D | µg/l | | 20.0 | BRL | 80 | 70-130 | 6 | 20 |
| 1,1-Dichloroethane | 19.9 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | 3 | 20 |
| 1,2-Dichloroethane | 22.4 | D | µg/l | | 20.0 | BRL | 112 | 70-130 | 1 | 20 |
| 1,1-Dichloroethene | 18.8 | D | µg/l | | 20.0 | BRL | 94 | 70-130 | 0.5 | 20 |
| cis-1,2-Dichloroethene | 20.5 | D | µg/l | | 20.0 | BRL | 103 | 70-130 | 0.4 | 20 |
| trans-1,2-Dichloroethene | 19.4 | D | µg/l | | 20.0 | BRL | 97 | 70-130 | 2 | 20 |
| 1,2-Dichloropropane | 21.3 | D | µg/l | | 20.0 | BRL | 107 | 70-130 | 2 | 20 |
| 1,3-Dichloropropane | 21.4 | D | µg/l | | 20.0 | BRL | 107 | 70-130 | 1 | 20 |
| 2,2-Dichloropropane | 21.6 | D | µg/l | | 20.0 | BRL | 108 | 70-130 | 5 | 20 |
| 1,1-Dichloropropene | 20.4 | D | µg/l | | 20.0 | BRL | 102 | 70-130 | 5 | 20 |
| cis-1,3-Dichloropropene | 24.7 | D | µg/l | | 20.0 | BRL | 124 | 70-130 | 0.2 | 20 |
| trans-1,3-Dichloropropene | 24.9 | D | µg/l | | 20.0 | BRL | 124 | 70-130 | 2 | 20 |
| Ethylbenzene | 19.9 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | 0.2 | 20 |
| Hexachlorobutadiene | 18.3 | D | µg/l | | 20.0 | BRL | 92 | 70-130 | 3 | 20 |
| 2-Hexanone (MBK) | 20.9 | D | µg/l | | 20.0 | BRL | 104 | 70-130 | 4 | 20 |
| Isopropylbenzene | 20.0 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | 1 | 20 |
| 4-Isopropyltoluene | 19.2 | D | µg/l | | 20.0 | BRL | 96 | 70-130 | 3 | 20 |
| Methyl tert-butyl ether | 21.3 | D | µg/l | | 20.0 | BRL | 106 | 70-130 | 0.2 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 21.0 | D | µg/l | | 20.0 | BRL | 105 | 70-130 | 2 | 20 |
| Methylene chloride | 18.3 | D | µg/l | | 20.0 | BRL | 91 | 70-130 | 2 | 20 |
| Naphthalene | 18.0 | D | µg/l | | 20.0 | BRL | 90 | 70-130 | 4 | 20 |
| n-Propylbenzene | 20.0 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | 1 | 20 |
| Styrene | 20.2 | D | µg/l | | 20.0 | BRL | 101 | 70-130 | 0.7 | 20 |
| 1,1,1,2-Tetrachloroethane | 21.6 | D | µg/l | | 20.0 | BRL | 108 | 70-130 | 0.5 | 20 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|----------------------------------|-------------|---------------|------|--|-----|-----------|
| Batch 1424541 - SW846 5030 Water MS | | | | | | | | | | |
| <u>Matrix Spike Dup (1424541-MSD1)</u> | | | | | | | | | | |
| | | | | <u>Source: SB98147-18</u> | | | | <u>Prepared & Analyzed: 17-Oct-14</u> | | |
| 1,1,2,2-Tetrachloroethane | 20.0 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | 0.2 | 20 |
| Tetrachloroethene | 21.1 | D | µg/l | | 20.0 | BRL | 106 | 70-130 | 6 | 20 |
| Toluene | 20.5 | D | µg/l | | 20.0 | BRL | 102 | 70-130 | 4 | 20 |
| 1,2,3-Trichlorobenzene | 18.0 | D | µg/l | | 20.0 | BRL | 90 | 70-130 | 2 | 20 |
| 1,2,4-Trichlorobenzene | 18.4 | D | µg/l | | 20.0 | BRL | 92 | 70-130 | 2 | 20 |
| 1,3,5-Trichlorobenzene | 18.4 | D | µg/l | | 20.0 | BRL | 92 | 70-130 | 1 | 20 |
| 1,1,1-Trichloroethane | 22.2 | D | µg/l | | 20.0 | BRL | 111 | 70-130 | 5 | 20 |
| 1,1,2-Trichloroethane | 21.6 | D | µg/l | | 20.0 | BRL | 108 | 70-130 | 2 | 20 |
| Trichloroethene | 20.5 | D | µg/l | | 20.0 | 0.09 | 102 | 70-130 | 5 | 20 |
| Trichlorofluoromethane (Freon 11) | 19.5 | D | µg/l | | 20.0 | BRL | 98 | 70-130 | 7 | 20 |
| 1,2,3-Trichloropropane | 19.9 | D | µg/l | | 20.0 | BRL | 100 | 70-130 | 4 | 20 |
| 1,2,4-Trimethylbenzene | 20.8 | D | µg/l | | 20.0 | BRL | 104 | 70-130 | 0.3 | 20 |
| 1,3,5-Trimethylbenzene | 20.4 | D | µg/l | | 20.0 | BRL | 102 | 70-130 | 2 | 20 |
| Vinyl chloride | 16.4 | D | µg/l | | 20.0 | BRL | 82 | 70-130 | 3 | 20 |
| m,p-Xylene | 19.6 | D | µg/l | | 20.0 | BRL | 98 | 70-130 | 1 | 20 |
| o-Xylene | 20.2 | D | µg/l | | 20.0 | BRL | 101 | 70-130 | 0.4 | 20 |
| Tetrahydrofuran | 18.7 | D | µg/l | | 20.0 | BRL | 93 | 70-130 | 3 | 20 |
| Ethyl ether | 18.8 | D | µg/l | | 20.0 | BRL | 94 | 70-130 | 0.2 | 20 |
| Tert-amyl methyl ether | 21.0 | D | µg/l | | 20.0 | BRL | 105 | 70-130 | 0.9 | 20 |
| Ethyl tert-butyl ether | 21.6 | D | µg/l | | 20.0 | BRL | 108 | 70-130 | 1 | 20 |
| Di-isopropyl ether | 20.4 | D | µg/l | | 20.0 | BRL | 102 | 70-130 | 2 | 20 |
| Tert-Butanol / butyl alcohol | 196 | D | µg/l | | 200 | BRL | 98 | 70-130 | 0.5 | 20 |
| 1,4-Dioxane | 196 | D | µg/l | | 200 | BRL | 98 | 70-130 | 5 | 20 |
| trans-1,4-Dichloro-2-butene | 18.0 | D | µg/l | | 20.0 | BRL | 90 | 70-130 | 2 | 20 |
| Ethanol | 355 | D | µg/l | | 400 | BRL | 89 | 70-130 | 9 | 20 |
| Surrogate: 4-Bromofluorobenzene | 51.2 | | µg/l | | 50.0 | | 102 | 70-130 | | |
| Surrogate: Toluene-d8 | 52.8 | | µg/l | | 50.0 | | 106 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 54.0 | | µg/l | | 50.0 | | 108 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 54.0 | | µg/l | | 50.0 | | 108 | 70-130 | | |
| Batch 1424671 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Blank (1424671-BLK1)</u> | | | | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Acetone | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Acrylonitrile | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Benzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromochloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromodichloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromoform | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromomethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 2-Butanone (MEK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| n-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| sec-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| tert-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Carbon disulfide | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Carbon tetrachloride | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chloroethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Chloroform | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chloromethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 2-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--|------|-----------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424671 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Blank (1424671-BLK1)</u> | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | | | | | |
| 4-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Dibromochloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Dibromomethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,4-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 1,1-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| cis-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| trans-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 2,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| cis-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| trans-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Ethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Hexachlorobutadiene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 2-Hexanone (MBK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Isopropylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Isopropyltoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Methyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Methylene chloride | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Naphthalene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| n-Propylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Styrene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tetrachloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Toluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,1-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,2-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Trichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,3-Trichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Vinyl chloride | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| m,p-Xylene | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| o-Xylene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tetrahydrofuran | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Ethyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tert-amyl methyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Ethyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424671 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Blank (1424671-BLK1)</u> | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| Di-isopropyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| 1,4-Dioxane | < 100 | | µg/kg wet | 100 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 25.0 | | µg/kg wet | 25.0 | | | | | | |
| Ethanol | < 2000 | | µg/kg wet | 2000 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 49.0 | | µg/kg wet | | 50.0 | | 98 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.5 | | µg/kg wet | | 50.0 | | 99 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 56.5 | | µg/kg wet | | 50.0 | | 113 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 51.6 | | µg/kg wet | | 50.0 | | 103 | 70-130 | | |
| <u>LCS (1424671-BS1)</u> | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 16.8 | | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| Acetone | 17.7 | | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| Acrylonitrile | 18.2 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Benzene | 17.5 | | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| Bromobenzene | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| Bromochloromethane | 17.5 | | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| Bromodichloromethane | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| Bromoform | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Bromomethane | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| 2-Butanone (MEK) | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| n-Butylbenzene | 17.7 | | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| sec-Butylbenzene | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| tert-Butylbenzene | 18.7 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| Carbon disulfide | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| Carbon tetrachloride | 17.5 | | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| Chlorobenzene | 17.7 | | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| Chloroethane | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| Chloroform | 16.7 | | µg/kg wet | | 20.0 | | 83 | 70-130 | | |
| Chloromethane | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| 2-Chlorotoluene | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| 4-Chlorotoluene | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 16.6 | | µg/kg wet | | 20.0 | | 83 | 70-130 | | |
| Dibromochloromethane | 18.2 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 18.5 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| Dibromomethane | 17.4 | | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| 1,2-Dichlorobenzene | 17.9 | | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| 1,3-Dichlorobenzene | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| 1,4-Dichlorobenzene | 17.1 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| 1,1-Dichloroethane | 17.1 | | µg/kg wet | | 20.0 | | 85 | 70-130 | | |
| 1,2-Dichloroethane | 16.9 | | µg/kg wet | | 20.0 | | 85 | 70-130 | | |
| 1,1-Dichloroethene | 17.4 | | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| cis-1,2-Dichloroethene | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| trans-1,2-Dichloroethene | 17.3 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| 1,2-Dichloropropane | 16.8 | | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| 1,3-Dichloropropane | 17.4 | | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| 2,2-Dichloropropane | 17.3 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| 1,1-Dichloropropene | 17.9 | | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| cis-1,3-Dichloropropene | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| trans-1,3-Dichloropropene | 16.9 | | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| Ethylbenzene | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424671 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS (1424671-BS1)</u> | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| Hexachlorobutadiene | 17.4 | | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| 2-Hexanone (MBK) | 15.5 | | µg/kg wet | | 20.0 | | 78 | 70-130 | | |
| Isopropylbenzene | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| 4-Isopropyltoluene | 18.1 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Methyl tert-butyl ether | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| Methylene chloride | 16.8 | | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| Naphthalene | 14.9 | | µg/kg wet | | 20.0 | | 74 | 70-130 | | |
| n-Propylbenzene | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| Styrene | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| Tetrachloroethene | 17.7 | | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| Toluene | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 15.8 | | µg/kg wet | | 20.0 | | 79 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 15.5 | | µg/kg wet | | 20.0 | | 78 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 18.9 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 1,1,1-Trichloroethane | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| 1,1,2-Trichloroethane | 17.0 | | µg/kg wet | | 20.0 | | 85 | 70-130 | | |
| Trichloroethene | 17.5 | | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| 1,2,3-Trichloropropane | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 19.1 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 19.1 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| Vinyl chloride | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| m,p-Xylene | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| o-Xylene | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Tetrahydrofuran | 17.0 | | µg/kg wet | | 20.0 | | 85 | 70-130 | | |
| Ethyl ether | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Tert-amyl methyl ether | 16.6 | | µg/kg wet | | 20.0 | | 83 | 70-130 | | |
| Ethyl tert-butyl ether | 17.5 | | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| Di-isopropyl ether | 17.2 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 186 | | µg/kg wet | | 200 | | 93 | 70-130 | | |
| 1,4-Dioxane | 173 | | µg/kg wet | | 200 | | 86 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 17.4 | | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| Ethanol | 396 | | µg/kg wet | | 400 | | 99 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 53.2 | | µg/kg wet | | 50.0 | | 106 | 70-130 | | |
| Surrogate: Toluene-d8 | 50.3 | | µg/kg wet | | 50.0 | | 101 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.0 | | µg/kg wet | | 50.0 | | 98 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 50.2 | | µg/kg wet | | 50.0 | | 100 | 70-130 | | |
| <u>LCS Dup (1424671-BSD1)</u> | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 17.5 | | µg/kg wet | | 20.0 | | 87 | 70-130 | 4 | 30 |
| Acetone | 18.2 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 2 | 30 |
| Acrylonitrile | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 3 | 30 |
| Benzene | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 5 | 30 |
| Bromobenzene | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | 3 | 30 |
| Bromochloromethane | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 6 | 30 |
| Bromodichloromethane | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 5 | 30 |
| Bromoform | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 1 | 30 |
| Bromomethane | 21.3 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 0.5 | 30 |
| 2-Butanone (MEK) | 16.6 | | µg/kg wet | | 20.0 | | 83 | 70-130 | 24 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424671 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS Dup (1424671-BSD1)</u> | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| n-Butylbenzene | 18.3 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 3 | 30 |
| sec-Butylbenzene | 19.3 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 4 | 30 |
| tert-Butylbenzene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 3 | 30 |
| Carbon disulfide | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | 3 | 30 |
| Carbon tetrachloride | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 5 | 30 |
| Chlorobenzene | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 5 | 30 |
| Chloroethane | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 3 | 30 |
| Chloroform | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 6 | 30 |
| Chloromethane | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 3 | 30 |
| 2-Chlorotoluene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 3 | 30 |
| 4-Chlorotoluene | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 5 | 30 |
| 1,2-Dibromo-3-chloropropane | 17.3 | | µg/kg wet | | 20.0 | | 87 | 70-130 | 4 | 30 |
| Dibromochloromethane | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 7 | 30 |
| 1,2-Dibromoethane (EDB) | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 5 | 30 |
| Dibromomethane | 18.1 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 4 | 30 |
| 1,2-Dichlorobenzene | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 3 | 30 |
| 1,3-Dichlorobenzene | 19.7 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 5 | 30 |
| 1,4-Dichlorobenzene | 17.9 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 4 | 30 |
| Dichlorodifluoromethane (Freon12) | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 2 | 30 |
| 1,1-Dichloroethane | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 4 | 30 |
| 1,2-Dichloroethane | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 5 | 30 |
| 1,1-Dichloroethene | 18.1 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 4 | 30 |
| cis-1,2-Dichloroethene | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 4 | 30 |
| trans-1,2-Dichloroethene | 18.3 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 6 | 30 |
| 1,2-Dichloropropane | 18.2 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 8 | 30 |
| 1,3-Dichloropropane | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 6 | 30 |
| 2,2-Dichloropropane | 17.7 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 2 | 30 |
| 1,1-Dichloropropene | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 3 | 30 |
| cis-1,3-Dichloropropene | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 7 | 30 |
| trans-1,3-Dichloropropene | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 5 | 30 |
| Ethylbenzene | 19.3 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 5 | 30 |
| Hexachlorobutadiene | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 2 | 30 |
| 2-Hexanone (MBK) | 16.0 | | µg/kg wet | | 20.0 | | 80 | 70-130 | 3 | 30 |
| Isopropylbenzene | 19.1 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 5 | 30 |
| 4-Isopropyltoluene | 18.9 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 4 | 30 |
| Methyl tert-butyl ether | 18.9 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 7 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 18.7 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 8 | 30 |
| Methylene chloride | 17.7 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 6 | 30 |
| Naphthalene | 15.0 | | µg/kg wet | | 20.0 | | 75 | 70-130 | 1 | 30 |
| n-Propylbenzene | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 5 | 30 |
| Styrene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 3 | 30 |
| 1,1,1,2-Tetrachloroethane | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 3 | 30 |
| 1,1,2,2-Tetrachloroethane | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 1 | 30 |
| Tetrachloroethene | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 5 | 30 |
| Toluene | 18.2 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 3 | 30 |
| 1,2,3-Trichlorobenzene | 16.6 | | µg/kg wet | | 20.0 | | 83 | 70-130 | 5 | 30 |
| 1,2,4-Trichlorobenzene | 16.5 | | µg/kg wet | | 20.0 | | 82 | 70-130 | 6 | 30 |
| 1,3,5-Trichlorobenzene | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 5 | 30 |
| 1,1,1-Trichloroethane | 18.5 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 4 | 30 |
| 1,1,2-Trichloroethane | 18.1 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 6 | 30 |
| Trichloroethene | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 2 | 30 |
| Trichlorofluoromethane (Freon 11) | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 4 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-------------------------------------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424671 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS Dup (1424671-BSD1)</u> | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| 1,2,3-Trichloropropane | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 2 | 30 |
| 1,2,4-Trimethylbenzene | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 4 | 30 |
| 1,3,5-Trimethylbenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 3 | 30 |
| Vinyl chloride | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 4 | 30 |
| m,p-Xylene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 3 | 30 |
| o-Xylene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 3 | 30 |
| Tetrahydrofuran | 18.2 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 7 | 30 |
| Ethyl ether | 20.5 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 0.8 | 30 |
| Tert-amyl methyl ether | 17.7 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 6 | 30 |
| Ethyl tert-butyl ether | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 7 | 30 |
| Di-isopropyl ether | 18.3 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 6 | 30 |
| Tert-Butanol / butyl alcohol | 194 | | µg/kg wet | | 200 | | 97 | 70-130 | 5 | 30 |
| 1,4-Dioxane | 187 | | µg/kg wet | | 200 | | 94 | 70-130 | 8 | 30 |
| trans-1,4-Dichloro-2-butene | 18.1 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 3 | 30 |
| Ethanol | 357 | | µg/kg wet | | 400 | | 89 | 70-130 | 10 | 30 |
| Surrogate: 4-Bromofluorobenzene | 52.4 | | µg/kg wet | | 50.0 | | 105 | 70-130 | | |
| Surrogate: Toluene-d8 | 50.4 | | µg/kg wet | | 50.0 | | 101 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.8 | | µg/kg wet | | 50.0 | | 100 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 50.4 | | µg/kg wet | | 50.0 | | 101 | 70-130 | | |
| <u>Matrix Spike (1424671-MS1)</u> | | | <u>Source: SB98147-14RE1</u> | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 20.0 | | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | | |
| Acetone | 64.2 | QM7 | µg/kg dry | | 20.0 | 35.1 | 146 | 70-130 | | |
| Acrylonitrile | 26.4 | QM7 | µg/kg dry | | 20.0 | BRL | 132 | 70-130 | | |
| Benzene | 20.5 | | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | | |
| Bromobenzene | 21.6 | | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | | |
| Bromochloromethane | 22.3 | | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | | |
| Bromodichloromethane | 21.9 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| Bromoform | 24.8 | | µg/kg dry | | 20.0 | BRL | 124 | 70-130 | | |
| Bromomethane | 18.9 | | µg/kg dry | | 20.0 | 0.2 | 93 | 70-130 | | |
| 2-Butanone (MEK) | 46.6 | QM7 | µg/kg dry | | 20.0 | BRL | 233 | 70-130 | | |
| n-Butylbenzene | 20.9 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | | |
| sec-Butylbenzene | 21.7 | | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | | |
| tert-Butylbenzene | 21.7 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| Carbon disulfide | 13.9 | | µg/kg dry | | 20.0 | BRL | 70 | 70-130 | | |
| Carbon tetrachloride | 20.6 | | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | | |
| Chlorobenzene | 21.1 | | µg/kg dry | | 20.0 | BRL | 106 | 70-130 | | |
| Chloroethane | 19.5 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | | |
| Chloroform | 20.5 | | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | | |
| Chloromethane | 16.8 | | µg/kg dry | | 20.0 | BRL | 84 | 70-130 | | |
| 2-Chlorotoluene | 21.4 | | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | | |
| 4-Chlorotoluene | 22.0 | | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 21.1 | | µg/kg dry | | 20.0 | BRL | 105 | 70-130 | | |
| Dibromochloromethane | 23.5 | | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 24.2 | | µg/kg dry | | 20.0 | BRL | 121 | 70-130 | | |
| Dibromomethane | 22.1 | | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | | |
| 1,2-Dichlorobenzene | 20.7 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | | |
| 1,3-Dichlorobenzene | 21.4 | | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | | |
| 1,4-Dichlorobenzene | 19.6 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 18.5 | | µg/kg dry | | 20.0 | BRL | 93 | 70-130 | | |
| 1,1-Dichloroethane | 20.4 | | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | | |
| 1,2-Dichloroethane | 21.7 | | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|-------------------------------------|-------------|---------------|------|--|-----|-----------|
| Batch 1424671 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Matrix Spike (1424671-MS1)</u> | | | | <u>Source: SB98147-14RE1</u> | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | |
| 1,1-Dichloroethene | 19.6 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | | |
| cis-1,2-Dichloroethene | 21.4 | | µg/kg dry | | 20.0 | BRL | 107 | 70-130 | | |
| trans-1,2-Dichloroethene | 19.4 | | µg/kg dry | | 20.0 | BRL | 97 | 70-130 | | |
| 1,2-Dichloropropane | 21.8 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| 1,3-Dichloropropane | 23.2 | | µg/kg dry | | 20.0 | BRL | 116 | 70-130 | | |
| 2,2-Dichloropropane | 22.1 | | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | | |
| 1,1-Dichloropropene | 20.5 | | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | | |
| cis-1,3-Dichloropropene | 22.0 | | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | | |
| trans-1,3-Dichloropropene | 21.8 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| Ethylbenzene | 21.8 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| Hexachlorobutadiene | 17.5 | | µg/kg dry | | 20.0 | BRL | 88 | 70-130 | | |
| 2-Hexanone (MBK) | 33.0 | QM7 | µg/kg dry | | 20.0 | BRL | 165 | 70-130 | | |
| Isopropylbenzene | 21.6 | | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | | |
| 4-Isopropyltoluene | 21.0 | | µg/kg dry | | 20.0 | BRL | 105 | 70-130 | | |
| Methyl tert-butyl ether | 23.6 | | µg/kg dry | | 20.0 | BRL | 118 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 26.2 | QM7 | µg/kg dry | | 20.0 | BRL | 131 | 70-130 | | |
| Methylene chloride | 19.9 | | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | | |
| Naphthalene | 14.9 | | µg/kg dry | | 20.0 | BRL | 75 | 70-130 | | |
| n-Propylbenzene | 22.0 | | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | | |
| Styrene | 22.4 | | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 21.7 | | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 24.2 | | µg/kg dry | | 20.0 | BRL | 121 | 70-130 | | |
| Tetrachloroethene | 21.0 | | µg/kg dry | | 20.0 | BRL | 105 | 70-130 | | |
| Toluene | 20.8 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 15.8 | | µg/kg dry | | 20.0 | BRL | 79 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 16.0 | | µg/kg dry | | 20.0 | BRL | 80 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 20.6 | | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | | |
| 1,1,1-Trichloroethane | 21.0 | | µg/kg dry | | 20.0 | BRL | 105 | 70-130 | | |
| 1,1,2-Trichloroethane | 23.3 | | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | | |
| Trichloroethene | 20.3 | | µg/kg dry | | 20.0 | 0.3 | 100 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 18.9 | | µg/kg dry | | 20.0 | BRL | 95 | 70-130 | | |
| 1,2,3-Trichloropropane | 24.5 | | µg/kg dry | | 20.0 | BRL | 123 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 22.2 | | µg/kg dry | | 20.0 | BRL | 111 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 21.9 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| Vinyl chloride | 18.1 | | µg/kg dry | | 20.0 | BRL | 91 | 70-130 | | |
| m,p-Xylene | 21.9 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| o-Xylene | 21.9 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | | |
| Tetrahydrofuran | 25.7 | | µg/kg dry | | 20.0 | BRL | 128 | 70-130 | | |
| Ethyl ether | 22.4 | | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | | |
| Tert-amyl methyl ether | 21.7 | | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | | |
| Ethyl tert-butyl ether | 22.6 | | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | | |
| Di-isopropyl ether | 22.0 | | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 270 | QM7 | µg/kg dry | | 200 | BRL | 135 | 70-130 | | |
| 1,4-Dioxane | 285 | QM7 | µg/kg dry | | 200 | BRL | 142 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 23.3 | | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | | |
| Ethanol | 535 | | µg/kg dry | | 400 | 35.1 | 125 | 70-130 | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 53.7 | | µg/kg dry | | 50.0 | | 107 | 70-130 | | |
| <i>Surrogate: Toluene-d8</i> | 50.7 | | µg/kg dry | | 50.0 | | 101 | 70-130 | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 53.1 | | µg/kg dry | | 50.0 | | 106 | 70-130 | | |
| <i>Surrogate: Dibromofluoromethane</i> | 51.8 | | µg/kg dry | | 50.0 | | 104 | 70-130 | | |
| <u>Matrix Spike Dup (1424671-MSD1)</u> | | | | <u>Source: SB98147-14RE1</u> | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|----------|-----------|------------------------------|-------------|---------------|------|---|-----|-----------|
| Batch 1424671 - SW846 5035A Soil (low level) | | | | | | | | | | |
| Matrix Spike Dup (1424671-MSD1) | | | | Source: SB98147-14RE1 | | | | Prepared & Analyzed: 20-Oct-14 | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 20.2 | | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | 0.5 | 30 |
| Acetone | 118 | QM7, QR5 | µg/kg dry | | 20.0 | 27.0 | 457 | 70-130 | 103 | 30 |
| Acrylonitrile | 29.0 | QM7 | µg/kg dry | | 20.0 | BRL | 145 | 70-130 | 9 | 30 |
| Benzene | 20.6 | | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | 0.3 | 30 |
| Bromobenzene | 20.4 | | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | 6 | 30 |
| Bromochloromethane | 22.8 | | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | 2 | 30 |
| Bromodichloromethane | 22.2 | | µg/kg dry | | 20.0 | BRL | 111 | 70-130 | 2 | 30 |
| Bromoform | 25.2 | | µg/kg dry | | 20.0 | BRL | 126 | 70-130 | 2 | 30 |
| Bromomethane | 19.6 | | µg/kg dry | | 20.0 | 0.2 | 97 | 70-130 | 4 | 30 |
| 2-Butanone (MEK) | 45.5 | QM7 | µg/kg dry | | 20.0 | BRL | 228 | 70-130 | 2 | 30 |
| n-Butylbenzene | 17.6 | | µg/kg dry | | 20.0 | BRL | 88 | 70-130 | 17 | 30 |
| sec-Butylbenzene | 19.3 | | µg/kg dry | | 20.0 | BRL | 96 | 70-130 | 12 | 30 |
| tert-Butylbenzene | 20.1 | | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | 8 | 30 |
| Carbon disulfide | 14.6 | | µg/kg dry | | 20.0 | BRL | 73 | 70-130 | 5 | 30 |
| Carbon tetrachloride | 20.4 | | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | 1 | 30 |
| Chlorobenzene | 20.7 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | 2 | 30 |
| Chloroethane | 20.0 | | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | 2 | 30 |
| Chloroform | 20.7 | | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | 0.8 | 30 |
| Chloromethane | 17.6 | | µg/kg dry | | 20.0 | BRL | 88 | 70-130 | 5 | 30 |
| 2-Chlorotoluene | 20.2 | | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | 5 | 30 |
| 4-Chlorotoluene | 19.9 | | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | 10 | 30 |
| 1,2-Dibromo-3-chloropropane | 22.6 | | µg/kg dry | | 20.0 | BRL | 113 | 70-130 | 7 | 30 |
| Dibromochloromethane | 23.8 | | µg/kg dry | | 20.0 | BRL | 119 | 70-130 | 1 | 30 |
| 1,2-Dibromoethane (EDB) | 25.7 | | µg/kg dry | | 20.0 | BRL | 129 | 70-130 | 6 | 30 |
| Dibromomethane | 22.9 | | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | 4 | 30 |
| 1,2-Dichlorobenzene | 18.9 | | µg/kg dry | | 20.0 | BRL | 94 | 70-130 | 9 | 30 |
| 1,3-Dichlorobenzene | 19.7 | | µg/kg dry | | 20.0 | BRL | 98 | 70-130 | 9 | 30 |
| 1,4-Dichlorobenzene | 17.9 | | µg/kg dry | | 20.0 | BRL | 89 | 70-130 | 9 | 30 |
| Dichlorodifluoromethane (Freon12) | 18.5 | | µg/kg dry | | 20.0 | BRL | 92 | 70-130 | 0.2 | 30 |
| 1,1-Dichloroethane | 20.5 | | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | 0.6 | 30 |
| 1,2-Dichloroethane | 21.8 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | 0.4 | 30 |
| 1,1-Dichloroethene | 19.7 | | µg/kg dry | | 20.0 | BRL | 99 | 70-130 | 0.4 | 30 |
| cis-1,2-Dichloroethene | 21.8 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | 2 | 30 |
| trans-1,2-Dichloroethene | 19.2 | | µg/kg dry | | 20.0 | BRL | 96 | 70-130 | 0.9 | 30 |
| 1,2-Dichloropropane | 21.8 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | 0.4 | 30 |
| 1,3-Dichloropropane | 23.9 | | µg/kg dry | | 20.0 | BRL | 119 | 70-130 | 3 | 30 |
| 2,2-Dichloropropane | 22.8 | | µg/kg dry | | 20.0 | BRL | 114 | 70-130 | 3 | 30 |
| 1,1-Dichloropropene | 20.3 | | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | 1 | 30 |
| cis-1,3-Dichloropropene | 21.7 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | 1 | 30 |
| trans-1,3-Dichloropropene | 21.9 | | µg/kg dry | | 20.0 | BRL | 110 | 70-130 | 0.4 | 30 |
| Ethylbenzene | 20.7 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | 5 | 30 |
| Hexachlorobutadiene | 14.5 | | µg/kg dry | | 20.0 | BRL | 73 | 70-130 | 19 | 30 |
| 2-Hexanone (MBK) | 30.3 | QM7 | µg/kg dry | | 20.0 | BRL | 152 | 70-130 | 8 | 30 |
| Isopropylbenzene | 20.6 | | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | 5 | 30 |
| 4-Isopropyltoluene | 18.5 | | µg/kg dry | | 20.0 | BRL | 92 | 70-130 | 13 | 30 |
| Methyl tert-butyl ether | 24.9 | | µg/kg dry | | 20.0 | BRL | 124 | 70-130 | 5 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 27.8 | QM7 | µg/kg dry | | 20.0 | BRL | 139 | 70-130 | 6 | 30 |
| Methylene chloride | 20.6 | | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | 4 | 30 |
| Naphthalene | 14.3 | | µg/kg dry | | 20.0 | BRL | 71 | 70-130 | 4 | 30 |
| n-Propylbenzene | 20.2 | | µg/kg dry | | 20.0 | BRL | 101 | 70-130 | 9 | 30 |
| Styrene | 21.5 | | µg/kg dry | | 20.0 | BRL | 108 | 70-130 | 4 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|-------------|-------------------------------------|------|--|-----|-----------|
| Batch 1424671 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Matrix Spike Dup (1424671-MSD1)</u> | | | | | | <u>Source: SB98147-14RE1</u> | | <u>Prepared & Analyzed: 20-Oct-14</u> | | |
| 1,1,1,2-Tetrachloroethane | 21.7 | | µg/kg dry | | 20.0 | BRL | 109 | 70-130 | 0.3 | 30 |
| 1,1,2,2-Tetrachloroethane | 25.3 | | µg/kg dry | | 20.0 | BRL | 126 | 70-130 | 4 | 30 |
| Tetrachloroethene | 20.5 | | µg/kg dry | | 20.0 | BRL | 102 | 70-130 | 2 | 30 |
| Toluene | 20.5 | | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | 1 | 30 |
| 1,2,3-Trichlorobenzene | 13.5 | QM7 | µg/kg dry | | 20.0 | BRL | 67 | 70-130 | 16 | 30 |
| 1,2,4-Trichlorobenzene | 13.6 | QM7 | µg/kg dry | | 20.0 | BRL | 68 | 70-130 | 16 | 30 |
| 1,3,5-Trichlorobenzene | 16.8 | | µg/kg dry | | 20.0 | BRL | 84 | 70-130 | 21 | 30 |
| 1,1,1-Trichloroethane | 20.9 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | 0.8 | 30 |
| 1,1,2-Trichloroethane | 24.1 | | µg/kg dry | | 20.0 | BRL | 121 | 70-130 | 3 | 30 |
| Trichloroethene | 20.2 | | µg/kg dry | | 20.0 | 0.2 | 100 | 70-130 | 0.4 | 30 |
| Trichlorofluoromethane (Freon 11) | 19.4 | | µg/kg dry | | 20.0 | BRL | 97 | 70-130 | 3 | 30 |
| 1,2,3-Trichloropropane | 25.6 | | µg/kg dry | | 20.0 | BRL | 128 | 70-130 | 4 | 30 |
| 1,2,4-Trimethylbenzene | 20.1 | | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | 10 | 30 |
| 1,3,5-Trimethylbenzene | 19.9 | | µg/kg dry | | 20.0 | BRL | 100 | 70-130 | 9 | 30 |
| Vinyl chloride | 18.8 | | µg/kg dry | | 20.0 | BRL | 94 | 70-130 | 4 | 30 |
| m,p-Xylene | 20.6 | | µg/kg dry | | 20.0 | BRL | 103 | 70-130 | 6 | 30 |
| o-Xylene | 20.8 | | µg/kg dry | | 20.0 | BRL | 104 | 70-130 | 5 | 30 |
| Tetrahydrofuran | 27.5 | QM7 | µg/kg dry | | 20.0 | BRL | 137 | 70-130 | 7 | 30 |
| Ethyl ether | 24.0 | | µg/kg dry | | 20.0 | BRL | 120 | 70-130 | 7 | 30 |
| Tert-amyl methyl ether | 22.4 | | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | 3 | 30 |
| Ethyl tert-butyl ether | 23.4 | | µg/kg dry | | 20.0 | BRL | 117 | 70-130 | 3 | 30 |
| Di-isopropyl ether | 22.4 | | µg/kg dry | | 20.0 | BRL | 112 | 70-130 | 2 | 30 |
| Tert-Butanol / butyl alcohol | 295 | QM7 | µg/kg dry | | 200 | BRL | 148 | 70-130 | 9 | 30 |
| 1,4-Dioxane | 320 | QM7 | µg/kg dry | | 200 | BRL | 160 | 70-130 | 12 | 30 |
| trans-1,4-Dichloro-2-butene | 24.7 | | µg/kg dry | | 20.0 | BRL | 123 | 70-130 | 6 | 30 |
| Ethanol | 641 | QM7 | µg/kg dry | | 400 | 27.0 | 154 | 70-130 | 21 | 30 |
| Surrogate: 4-Bromofluorobenzene | 53.9 | | µg/kg dry | | 50.0 | | 108 | 70-130 | | |
| Surrogate: Toluene-d8 | 51.3 | | µg/kg dry | | 50.0 | | 103 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 53.5 | | µg/kg dry | | 50.0 | | 107 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 53.0 | | µg/kg dry | | 50.0 | | 106 | 70-130 | | |
| Batch 1424672 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Blank (1424672-BLK1)</u> | | | | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Acetone | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Acrylonitrile | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Benzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromochloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromodichloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromoform | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromomethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 2-Butanone (MEK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| n-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| sec-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| tert-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Carbon disulfide | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Carbon tetrachloride | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chloroethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Chloroform | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chloromethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--|------|-----------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424672 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Blank (1424672-BLK1)</u> | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | | | | | |
| 2-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Dibromochloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Dibromomethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,4-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 1,1-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| cis-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| trans-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 2,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| cis-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| trans-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Ethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Hexachlorobutadiene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 2-Hexanone (MBK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Isopropylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Isopropyltoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Methyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Methylene chloride | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Naphthalene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| n-Propylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Styrene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tetrachloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Toluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,1-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,2-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Trichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,3-Trichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Vinyl chloride | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| m,p-Xylene | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| o-Xylene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tetrahydrofuran | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Ethyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tert-amyl methyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424672 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Blank (1424672-BLK1)</u> | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| Ethyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Di-isopropyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| 1,4-Dioxane | < 100 | | µg/kg wet | 100 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 25.0 | | µg/kg wet | 25.0 | | | | | | |
| Ethanol | < 2000 | | µg/kg wet | 2000 | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 49.3 | | µg/kg wet | | 50.0 | | 99 | 70-130 | | |
| <i>Surrogate: Toluene-d8</i> | 51.4 | | µg/kg wet | | 50.0 | | 103 | 70-130 | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 58.4 | | µg/kg wet | | 50.0 | | 117 | 70-130 | | |
| <i>Surrogate: Dibromofluoromethane</i> | 51.4 | | µg/kg wet | | 50.0 | | 103 | 70-130 | | |
| <u>LCS (1424672-BS1)</u> | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| Acetone | 22.3 | | µg/kg wet | | 20.0 | | 112 | 70-130 | | |
| Acrylonitrile | 22.1 | | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| Benzene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Bromobenzene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Bromochloromethane | 21.7 | | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| Bromodichloromethane | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| Bromoform | 22.5 | | µg/kg wet | | 20.0 | | 113 | 70-130 | | |
| Bromomethane | 22.6 | | µg/kg wet | | 20.0 | | 113 | 70-130 | | |
| 2-Butanone (MEK) | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| n-Butylbenzene | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| sec-Butylbenzene | 20.9 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| tert-Butylbenzene | 20.9 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Carbon disulfide | 19.9 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Carbon tetrachloride | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Chlorobenzene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Chloroethane | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Chloroform | 20.3 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Chloromethane | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 2-Chlorotoluene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 4-Chlorotoluene | 21.3 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| Dibromochloromethane | 22.3 | | µg/kg wet | | 20.0 | | 111 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 22.8 | | µg/kg wet | | 20.0 | | 114 | 70-130 | | |
| Dibromomethane | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| 1,2-Dichlorobenzene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,3-Dichlorobenzene | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| 1,4-Dichlorobenzene | 19.5 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 20.3 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| 1,1-Dichloroethane | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| 1,2-Dichloroethane | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 1,1-Dichloroethene | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| cis-1,2-Dichloroethene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| trans-1,2-Dichloroethene | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| 1,2-Dichloropropane | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 1,3-Dichloropropane | 21.8 | | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| 2,2-Dichloropropane | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| 1,1-Dichloropropene | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| cis-1,3-Dichloropropene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| trans-1,3-Dichloropropene | 19.9 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424672 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS (1424672-BS1)</u> | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| Ethylbenzene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Hexachlorobutadiene | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| 2-Hexanone (MBK) | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Isopropylbenzene | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 4-Isopropyltoluene | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Methyl tert-butyl ether | 21.9 | | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Methylene chloride | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Naphthalene | 16.7 | | µg/kg wet | | 20.0 | | 83 | 70-130 | | |
| n-Propylbenzene | 20.9 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Styrene | 21.7 | | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 20.9 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 22.0 | | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| Tetrachloroethene | 20.7 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Toluene | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 18.2 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 17.1 | | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 1,1,1-Trichloroethane | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| 1,1,2-Trichloroethane | 21.3 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| Trichloroethene | 19.5 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| 1,2,3-Trichloropropane | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 21.7 | | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Vinyl chloride | 20.5 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| m,p-Xylene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| o-Xylene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Tetrahydrofuran | 20.5 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Ethyl ether | 21.9 | | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| Tert-amyl methyl ether | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Ethyl tert-butyl ether | 21.8 | | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| Di-isopropyl ether | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 226 | | µg/kg wet | | 200 | | 113 | 70-130 | | |
| 1,4-Dioxane | 183 | | µg/kg wet | | 200 | | 91 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 17.9 | | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| Ethanol | 435 | | µg/kg wet | | 400 | | 109 | 70-130 | | |
| <hr/> | | | | | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 53.6 | | µg/kg wet | | 50.0 | | 107 | 70-130 | | |
| Surrogate: Toluene-d8 | 51.0 | | µg/kg wet | | 50.0 | | 102 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.0 | | µg/kg wet | | 50.0 | | 100 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 51.1 | | µg/kg wet | | 50.0 | | 102 | 70-130 | | |
| <u>LCS Dup (1424672-BSD1)</u> | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 16.9 | | µg/kg wet | | 20.0 | | 84 | 70-130 | 12 | 30 |
| Acetone | 20.5 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 8 | 30 |
| Acrylonitrile | 22.4 | | µg/kg wet | | 20.0 | | 112 | 70-130 | 2 | 30 |
| Benzene | 18.6 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 10 | 30 |
| Bromobenzene | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 9 | 30 |
| Bromochloromethane | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 7 | 30 |
| Bromodichloromethane | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 9 | 30 |
| Bromoform | 20.9 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 7 | 30 |
| Bromomethane | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 7 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424672 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS Dup (1424672-BSD1)</u> | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| 2-Butanone (MEK) | 19.9 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 0.7 | 30 |
| n-Butylbenzene | 16.9 | | µg/kg wet | | 20.0 | | 85 | 70-130 | 14 | 30 |
| sec-Butylbenzene | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 15 | 30 |
| tert-Butylbenzene | 18.3 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 13 | 30 |
| Carbon disulfide | 17.5 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 13 | 30 |
| Carbon tetrachloride | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 13 | 30 |
| Chlorobenzene | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 11 | 30 |
| Chloroethane | 18.5 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 11 | 30 |
| Chloroform | 18.1 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 12 | 30 |
| Chloromethane | 18.1 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 13 | 30 |
| 2-Chlorotoluene | 18.5 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 13 | 30 |
| 4-Chlorotoluene | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 12 | 30 |
| 1,2-Dibromo-3-chloropropane | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 2 | 30 |
| Dibromochloromethane | 20.5 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 8 | 30 |
| 1,2-Dibromoethane (EDB) | 21.9 | | µg/kg wet | | 20.0 | | 109 | 70-130 | 4 | 30 |
| Dibromomethane | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 8 | 30 |
| 1,2-Dichlorobenzene | 18.3 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 11 | 30 |
| 1,3-Dichlorobenzene | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 13 | 30 |
| 1,4-Dichlorobenzene | 17.6 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 10 | 30 |
| Dichlorodifluoromethane (Freon12) | 17.4 | | µg/kg wet | | 20.0 | | 87 | 70-130 | 15 | 30 |
| 1,1-Dichloroethane | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 10 | 30 |
| 1,2-Dichloroethane | 19.7 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 6 | 30 |
| 1,1-Dichloroethene | 17.1 | | µg/kg wet | | 20.0 | | 86 | 70-130 | 12 | 30 |
| cis-1,2-Dichloroethene | 18.8 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 9 | 30 |
| trans-1,2-Dichloroethene | 18.0 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 11 | 30 |
| 1,2-Dichloropropane | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 10 | 30 |
| 1,3-Dichloropropane | 20.1 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 8 | 30 |
| 2,2-Dichloropropane | 15.9 | | µg/kg wet | | 20.0 | | 80 | 70-130 | 15 | 30 |
| 1,1-Dichloropropene | 17.4 | | µg/kg wet | | 20.0 | | 87 | 70-130 | 13 | 30 |
| cis-1,3-Dichloropropene | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 9 | 30 |
| trans-1,3-Dichloropropene | 18.3 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 8 | 30 |
| Ethylbenzene | 18.2 | | µg/kg wet | | 20.0 | | 91 | 70-130 | 13 | 30 |
| Hexachlorobutadiene | 16.1 | | µg/kg wet | | 20.0 | | 81 | 70-130 | 14 | 30 |
| 2-Hexanone (MBK) | 19.1 | | µg/kg wet | | 20.0 | | 95 | 70-130 | 2 | 30 |
| Isopropylbenzene | 18.1 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 13 | 30 |
| 4-Isopropyltoluene | 17.5 | | µg/kg wet | | 20.0 | | 87 | 70-130 | 13 | 30 |
| Methyl tert-butyl ether | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 6 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 18.5 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 11 | 30 |
| Methylene chloride | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 8 | 30 |
| Naphthalene | 15.5 | | µg/kg wet | | 20.0 | | 77 | 70-130 | 7 | 30 |
| n-Propylbenzene | 18.3 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 13 | 30 |
| Styrene | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 11 | 30 |
| 1,1,1,2-Tetrachloroethane | 18.7 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 11 | 30 |
| 1,1,2,2-Tetrachloroethane | 20.7 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 6 | 30 |
| Tetrachloroethene | 17.9 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 14 | 30 |
| Toluene | 18.5 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 10 | 30 |
| 1,2,3-Trichlorobenzene | 16.7 | | µg/kg wet | | 20.0 | | 84 | 70-130 | 9 | 30 |
| 1,2,4-Trichlorobenzene | 15.8 | | µg/kg wet | | 20.0 | | 79 | 70-130 | 8 | 30 |
| 1,3,5-Trichlorobenzene | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | 12 | 30 |
| 1,1,1-Trichloroethane | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 12 | 30 |
| 1,1,2-Trichloroethane | 19.8 | | µg/kg wet | | 20.0 | | 99 | 70-130 | 7 | 30 |
| Trichloroethene | 18.1 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 8 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424672 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS Dup (1424672-BSD1)</u> | | | | | <u>Prepared & Analyzed: 20-Oct-14</u> | | | | | |
| Trichlorofluoromethane (Freon 11) | 16.8 | | µg/kg wet | | 20.0 | | 84 | 70-130 | 16 | 30 |
| 1,2,3-Trichloropropane | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 6 | 30 |
| 1,2,4-Trimethylbenzene | 19.1 | | µg/kg wet | | 20.0 | | 95 | 70-130 | 13 | 30 |
| 1,3,5-Trimethylbenzene | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 12 | 30 |
| Vinyl chloride | 17.8 | | µg/kg wet | | 20.0 | | 89 | 70-130 | 14 | 30 |
| m,p-Xylene | 18.1 | | µg/kg wet | | 20.0 | | 90 | 70-130 | 13 | 30 |
| o-Xylene | 18.7 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 12 | 30 |
| Tetrahydrofuran | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 0.1 | 30 |
| Ethyl ether | 20.5 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 6 | 30 |
| Tert-amyl methyl ether | 19.0 | | µg/kg wet | | 20.0 | | 95 | 70-130 | 8 | 30 |
| Ethyl tert-butyl ether | 20.1 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 8 | 30 |
| Di-isopropyl ether | 19.4 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 7 | 30 |
| Tert-Butanol / butyl alcohol | 227 | | µg/kg wet | | 200 | | 114 | 70-130 | 0.5 | 30 |
| 1,4-Dioxane | 217 | | µg/kg wet | | 200 | | 108 | 70-130 | 17 | 30 |
| trans-1,4-Dichloro-2-butene | 18.7 | | µg/kg wet | | 20.0 | | 93 | 70-130 | 4 | 30 |
| Ethanol | 433 | | µg/kg wet | | 400 | | 108 | 70-130 | 0.5 | 30 |
| Surrogate: 4-Bromofluorobenzene | 51.3 | | µg/kg wet | | 50.0 | | 103 | 70-130 | | |
| Surrogate: Toluene-d8 | 51.1 | | µg/kg wet | | 50.0 | | 102 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.7 | | µg/kg wet | | 50.0 | | 101 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 51.3 | | µg/kg wet | | 50.0 | | 103 | 70-130 | | |
| Batch 1424777 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>Blank (1424777-BLK1)</u> | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Acetone | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Acrylonitrile | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Benzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromochloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromodichloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromoform | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Bromomethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 2-Butanone (MEK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| n-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| sec-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| tert-Butylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Carbon disulfide | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Carbon tetrachloride | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chloroethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Chloroform | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Chloromethane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| 2-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Chlorotoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Dibromochloromethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Dibromomethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,4-Dichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 10.0 | | µg/kg wet | 10.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|------|-----------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424777 - SW846 5035A Soil (low level) | | | | | | | | | | |
| Blank (1424777-BLK1) | Prepared & Analyzed: 21-Oct-14 | | | | | | | | | |
| 1,1-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| cis-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| trans-1,2-Dichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 2,2-Dichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| cis-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| trans-1,3-Dichloropropene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Ethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Hexachlorobutadiene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 2-Hexanone (MBK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Isopropylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Isopropyltoluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Methyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| Methylene chloride | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Naphthalene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| n-Propylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Styrene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tetrachloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Toluene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,1-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,1,2-Trichloroethane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Trichloroethene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,3-Trichloropropane | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Vinyl chloride | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| m,p-Xylene | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| o-Xylene | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tetrahydrofuran | < 10.0 | | µg/kg wet | 10.0 | | | | | | |
| Ethyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tert-amyl methyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Ethyl tert-butyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Di-isopropyl ether | < 5.0 | | µg/kg wet | 5.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 50.0 | | µg/kg wet | 50.0 | | | | | | |
| 1,4-Dioxane | < 100 | | µg/kg wet | 100 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 25.0 | | µg/kg wet | 25.0 | | | | | | |
| Ethanol | < 2000 | | µg/kg wet | 2000 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 49.7 | | µg/kg wet | | 50.0 | | 99 | 70-130 | | |
| Surrogate: Toluene-d8 | 52.6 | | µg/kg wet | | 50.0 | | 105 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 60.3 | | µg/kg wet | | 50.0 | | 121 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|---|---------------|------|-------------|-----|-----------|
| Batch 1424777 - SW846 5035A Soil (low level) | | | | | | | | | | |
| Blank (1424777-BLK1) | | | | | Prepared & Analyzed: 21-Oct-14 | | | | | |
| Surrogate: Dibromofluoromethane | 52.2 | | µg/kg wet | | 50.0 | | 104 | 70-130 | | |
| LCS (1424777-BS1) | | | | | Prepared & Analyzed: 21-Oct-14 | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 20.6 | QM9 | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Acetone | 36.2 | | µg/kg wet | | 20.0 | | 181 | 70-130 | | |
| Acrylonitrile | 24.8 | | µg/kg wet | | 20.0 | | 124 | 70-130 | | |
| Benzene | 20.9 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Bromobenzene | 21.3 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| Bromochloromethane | 22.8 | | µg/kg wet | | 20.0 | | 114 | 70-130 | | |
| Bromodichloromethane | 21.7 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| Bromoform | 23.9 | | µg/kg wet | | 20.0 | | 119 | 70-130 | | |
| Bromomethane | 23.1 | | µg/kg wet | | 20.0 | | 116 | 70-130 | | |
| 2-Butanone (MEK) | 27.4 | | µg/kg wet | | 20.0 | | 137 | 70-130 | | |
| n-Butylbenzene | 19.7 | | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| sec-Butylbenzene | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| tert-Butylbenzene | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| Carbon disulfide | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| Carbon tetrachloride | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| Chlorobenzene | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Chloroethane | 21.8 | | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| Chloroform | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Chloromethane | 21.7 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| 2-Chlorotoluene | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| 4-Chlorotoluene | 21.9 | | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| Dibromochloromethane | 23.4 | | µg/kg wet | | 20.0 | | 117 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 24.4 | | µg/kg wet | | 20.0 | | 122 | 70-130 | | |
| Dibromomethane | 22.1 | | µg/kg wet | | 20.0 | | 111 | 70-130 | | |
| 1,2-Dichlorobenzene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 1,3-Dichlorobenzene | 21.9 | | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| 1,4-Dichlorobenzene | 19.9 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 22.1 | | µg/kg wet | | 20.0 | | 111 | 70-130 | | |
| 1,1-Dichloroethane | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 1,2-Dichloroethane | 22.3 | | µg/kg wet | | 20.0 | | 112 | 70-130 | | |
| 1,1-Dichloroethene | 20.9 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| cis-1,2-Dichloroethene | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| trans-1,2-Dichloroethene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 1,2-Dichloropropane | 20.9 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 1,3-Dichloropropane | 22.4 | | µg/kg wet | | 20.0 | | 112 | 70-130 | | |
| 2,2-Dichloropropane | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| 1,1-Dichloropropene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| cis-1,3-Dichloropropene | 21.7 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| trans-1,3-Dichloropropene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Ethylbenzene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Hexachlorobutadiene | 19.3 | | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| 2-Hexanone (MBK) | 24.4 | | µg/kg wet | | 20.0 | | 122 | 70-130 | | |
| Isopropylbenzene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 4-Isopropyltoluene | 20.0 | | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Methyl tert-butyl ether | 23.0 | | µg/kg wet | | 20.0 | | 115 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 23.2 | | µg/kg wet | | 20.0 | | 116 | 70-130 | | |
| Methylene chloride | 20.5 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Naphthalene | 18.2 | | µg/kg wet | | 20.0 | | 91 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|-----------|------|--|---------------|------|-------------|------|-----------|
| Batch 1424777 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS (1424777-BS1)</u> | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | | | | |
| n-Propylbenzene | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| Styrene | 22.2 | | µg/kg wet | | 20.0 | | 111 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 22.7 | | µg/kg wet | | 20.0 | | 113 | 70-130 | | |
| Tetrachloroethene | 21.3 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| Toluene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 18.4 | | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 21.3 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| 1,1,1-Trichloroethane | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| 1,1,2-Trichloroethane | 22.1 | | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| Trichloroethene | 20.9 | | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 20.9 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 1,2,3-Trichloropropane | 23.1 | | µg/kg wet | | 20.0 | | 115 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 21.9 | | µg/kg wet | | 20.0 | | 110 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| Vinyl chloride | 21.8 | | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| m,p-Xylene | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| o-Xylene | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| Tetrahydrofuran | 23.8 | | µg/kg wet | | 20.0 | | 119 | 70-130 | | |
| Ethyl ether | 23.0 | | µg/kg wet | | 20.0 | | 115 | 70-130 | | |
| Tert-amyl methyl ether | 21.8 | | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| Ethyl tert-butyl ether | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| Di-isopropyl ether | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 264 | QM9 | µg/kg wet | | 200 | | 132 | 70-130 | | |
| 1,4-Dioxane | 204 | | µg/kg wet | | 200 | | 102 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 22.3 | | µg/kg wet | | 20.0 | | 112 | 70-130 | | |
| Ethanol | 505 | | µg/kg wet | | 400 | | 126 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 53.6 | | µg/kg wet | | 50.0 | | 107 | 70-130 | | |
| Surrogate: Toluene-d8 | 51.5 | | µg/kg wet | | 50.0 | | 103 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 52.5 | | µg/kg wet | | 50.0 | | 105 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 51.8 | | µg/kg wet | | 50.0 | | 104 | 70-130 | | |
| <u>LCS Dup (1424777-BSD1)</u> | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 2 | 30 |
| Acetone | 31.4 | | µg/kg wet | | 20.0 | | 157 | 70-130 | 14 | 30 |
| Acrylonitrile | 25.1 | | µg/kg wet | | 20.0 | | 125 | 70-130 | 1 | 30 |
| Benzene | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 2 | 30 |
| Bromobenzene | 20.9 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 2 | 30 |
| Bromochloromethane | 22.6 | | µg/kg wet | | 20.0 | | 113 | 70-130 | 1 | 30 |
| Bromodichloromethane | 21.7 | | µg/kg wet | | 20.0 | | 108 | 70-130 | 0.09 | 30 |
| Bromoform | 23.2 | | µg/kg wet | | 20.0 | | 116 | 70-130 | 3 | 30 |
| Bromomethane | 22.9 | | µg/kg wet | | 20.0 | | 114 | 70-130 | 1 | 30 |
| 2-Butanone (MEK) | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 28 | 30 |
| n-Butylbenzene | 19.3 | | µg/kg wet | | 20.0 | | 97 | 70-130 | 2 | 30 |
| sec-Butylbenzene | 21.3 | | µg/kg wet | | 20.0 | | 107 | 70-130 | 0.5 | 30 |
| tert-Butylbenzene | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | 2 | 30 |
| Carbon disulfide | 21.5 | | µg/kg wet | | 20.0 | | 108 | 70-130 | 0.4 | 30 |
| Carbon tetrachloride | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 0.6 | 30 |
| Chlorobenzene | 20.3 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 0.7 | 30 |
| Chloroethane | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 6 | 30 |
| Chloroform | 20.2 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 2 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--|------|-----------|------|-------------|---------------|------|-------------|------|-----------|
| Batch 1424777 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS Dup (1424777-BSD1)</u> | <u>Prepared & Analyzed: 21-Oct-14</u> | | | | | | | | | |
| Chloromethane | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 2 | 30 |
| 2-Chlorotoluene | 21.1 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 0.3 | 30 |
| 4-Chlorotoluene | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | 1 | 30 |
| 1,2-Dibromo-3-chloropropane | 22.4 | | µg/kg wet | | 20.0 | | 112 | 70-130 | 3 | 30 |
| Dibromochloromethane | 23.4 | | µg/kg wet | | 20.0 | | 117 | 70-130 | 0.04 | 30 |
| 1,2-Dibromoethane (EDB) | 23.9 | | µg/kg wet | | 20.0 | | 119 | 70-130 | 2 | 30 |
| Dibromomethane | 22.4 | | µg/kg wet | | 20.0 | | 112 | 70-130 | 1 | 30 |
| 1,2-Dichlorobenzene | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 1 | 30 |
| 1,3-Dichlorobenzene | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | 2 | 30 |
| 1,4-Dichlorobenzene | 19.3 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 3 | 30 |
| Dichlorodifluoromethane (Freon12) | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | 3 | 30 |
| 1,1-Dichloroethane | 20.4 | | µg/kg wet | | 20.0 | | 102 | 70-130 | 1 | 30 |
| 1,2-Dichloroethane | 22.1 | | µg/kg wet | | 20.0 | | 110 | 70-130 | 1 | 30 |
| 1,1-Dichloroethene | 20.3 | | µg/kg wet | | 20.0 | | 101 | 70-130 | 3 | 30 |
| cis-1,2-Dichloroethene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 2 | 30 |
| trans-1,2-Dichloroethene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 2 | 30 |
| 1,2-Dichloropropane | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 1 | 30 |
| 1,3-Dichloropropane | 22.5 | | µg/kg wet | | 20.0 | | 112 | 70-130 | 0.4 | 30 |
| 2,2-Dichloropropane | 19.6 | | µg/kg wet | | 20.0 | | 98 | 70-130 | 2 | 30 |
| 1,1-Dichloropropene | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 0.5 | 30 |
| cis-1,3-Dichloropropene | 21.5 | | µg/kg wet | | 20.0 | | 107 | 70-130 | 1 | 30 |
| trans-1,3-Dichloropropene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 0.3 | 30 |
| Ethylbenzene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 0.8 | 30 |
| Hexachlorobutadiene | 19.2 | | µg/kg wet | | 20.0 | | 96 | 70-130 | 0.5 | 30 |
| 2-Hexanone (MBK) | 23.0 | | µg/kg wet | | 20.0 | | 115 | 70-130 | 6 | 30 |
| Isopropylbenzene | 21.1 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 0.7 | 30 |
| 4-Isopropyltoluene | 20.1 | | µg/kg wet | | 20.0 | | 100 | 70-130 | 0.7 | 30 |
| Methyl tert-butyl ether | 23.3 | | µg/kg wet | | 20.0 | | 117 | 70-130 | 2 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 26.4 | | µg/kg wet | | 20.0 | | 132 | 70-130 | 13 | 30 |
| Methylene chloride | 20.6 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 0.8 | 30 |
| Naphthalene | 17.5 | | µg/kg wet | | 20.0 | | 88 | 70-130 | 4 | 30 |
| n-Propylbenzene | 21.5 | | µg/kg wet | | 20.0 | | 107 | 70-130 | 0.5 | 30 |
| Styrene | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | 3 | 30 |
| 1,1,1,2-Tetrachloroethane | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 3 | 30 |
| 1,1,2,2-Tetrachloroethane | 22.8 | | µg/kg wet | | 20.0 | | 114 | 70-130 | 0.7 | 30 |
| Tetrachloroethene | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | 0.4 | 30 |
| Toluene | 21.0 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 0 | 30 |
| 1,2,3-Trichlorobenzene | 18.7 | | µg/kg wet | | 20.0 | | 94 | 70-130 | 3 | 30 |
| 1,2,4-Trichlorobenzene | 17.4 | | µg/kg wet | | 20.0 | | 87 | 70-130 | 5 | 30 |
| 1,3,5-Trichlorobenzene | 20.5 | | µg/kg wet | | 20.0 | | 103 | 70-130 | 4 | 30 |
| 1,1,1-Trichloroethane | 21.3 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 0.5 | 30 |
| 1,1,2-Trichloroethane | 22.2 | | µg/kg wet | | 20.0 | | 111 | 70-130 | 0.2 | 30 |
| Trichloroethene | 20.8 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 0.2 | 30 |
| Trichlorofluoromethane (Freon 11) | 20.9 | | µg/kg wet | | 20.0 | | 104 | 70-130 | 0.2 | 30 |
| 1,2,3-Trichloropropane | 22.7 | | µg/kg wet | | 20.0 | | 113 | 70-130 | 2 | 30 |
| 1,2,4-Trimethylbenzene | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | 1 | 30 |
| 1,3,5-Trimethylbenzene | 21.4 | | µg/kg wet | | 20.0 | | 107 | 70-130 | 0.7 | 30 |
| Vinyl chloride | 21.5 | | µg/kg wet | | 20.0 | | 108 | 70-130 | 1 | 30 |
| m,p-Xylene | 21.2 | | µg/kg wet | | 20.0 | | 106 | 70-130 | 0.7 | 30 |
| o-Xylene | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | 1 | 30 |
| Tetrahydrofuran | 23.2 | | µg/kg wet | | 20.0 | | 116 | 70-130 | 3 | 30 |
| Ethyl ether | 23.1 | | µg/kg wet | | 20.0 | | 115 | 70-130 | 0.5 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424777 - SW846 5035A Soil (low level) | | | | | | | | | | |
| <u>LCS Dup (1424777-BSD1)</u> | | | | | <u>Prepared & Analyzed: 21-Oct-14</u> | | | | | |
| Tert-amyl methyl ether | 21.6 | | µg/kg wet | | 20.0 | | 108 | 70-130 | 1 | 30 |
| Ethyl tert-butyl ether | 21.9 | | µg/kg wet | | 20.0 | | 109 | 70-130 | 1 | 30 |
| Di-isopropyl ether | 21.1 | | µg/kg wet | | 20.0 | | 105 | 70-130 | 0.4 | 30 |
| Tert-Butanol / butyl alcohol | 258 | | µg/kg wet | | 200 | | 129 | 70-130 | 2 | 30 |
| 1,4-Dioxane | 203 | | µg/kg wet | | 200 | | 102 | 70-130 | 0.2 | 30 |
| trans-1,4-Dichloro-2-butene | 21.8 | | µg/kg wet | | 20.0 | | 109 | 70-130 | 3 | 30 |
| Ethanol | 538 | QM9 | µg/kg wet | | 400 | | 135 | 70-130 | 6 | 30 |
| Surrogate: 4-Bromofluorobenzene | 53.3 | | µg/kg wet | | 50.0 | | 107 | 70-130 | | |
| Surrogate: Toluene-d8 | 51.5 | | µg/kg wet | | 50.0 | | 103 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 52.7 | | µg/kg wet | | 50.0 | | 105 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 52.3 | | µg/kg wet | | 50.0 | | 105 | 70-130 | | |
| Batch 1424921 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>Blank (1424921-BLK1)</u> | | | | | <u>Prepared & Analyzed: 22-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Acetone | < 500 | D | µg/kg wet | 500 | | | | | | |
| Acrylonitrile | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Benzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromodichloromethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromoform | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromomethane | < 100 | D | µg/kg wet | 100 | | | | | | |
| 2-Butanone (MEK) | < 500 | D | µg/kg wet | 500 | | | | | | |
| n-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| sec-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| tert-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Carbon disulfide | < 100 | D | µg/kg wet | 100 | | | | | | |
| Carbon tetrachloride | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Chlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Chloroethane | < 100 | D | µg/kg wet | 100 | | | | | | |
| Chloroform | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Chloromethane | < 100 | D | µg/kg wet | 100 | | | | | | |
| 2-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 4-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 100 | D | µg/kg wet | 100 | | | | | | |
| Dibromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Dibromomethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,4-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 100 | D | µg/kg wet | 100 | | | | | | |
| 1,1-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| cis-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| trans-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 2,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|---------|------|-----------|-------|---|---------------|------|-------------|-----|-----------|
| Batch 1424921 - SW846 5035A Soil (high level) | | | | | | | | | | |
| Blank (1424921-BLK1) | | | | | <u>Prepared & Analyzed: 22-Oct-14</u> | | | | | |
| cis-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| trans-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Ethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Hexachlorobutadiene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 2-Hexanone (MBK) | < 500 | D | µg/kg wet | 500 | | | | | | |
| Isopropylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 4-Isopropyltoluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Methyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 500 | D | µg/kg wet | 500 | | | | | | |
| Methylene chloride | < 100 | D | µg/kg wet | 100 | | | | | | |
| Naphthalene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| n-Propylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Styrene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tetrachloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Toluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,1-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,2-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Trichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,3-Trichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Vinyl chloride | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| m,p-Xylene | < 100 | D | µg/kg wet | 100 | | | | | | |
| o-Xylene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tetrahydrofuran | < 100 | D | µg/kg wet | 100 | | | | | | |
| Ethyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tert-amyl methyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Ethyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Di-isopropyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 500 | D | µg/kg wet | 500 | | | | | | |
| 1,4-Dioxane | < 1000 | D | µg/kg wet | 1000 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 250 | D | µg/kg wet | 250 | | | | | | |
| Ethanol | < 20000 | D | µg/kg wet | 20000 | | | | | | |
| <hr/> | | | | | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 30.5 | | µg/kg wet | | 30.0 | | 102 | 70-130 | | |
| Surrogate: Toluene-d8 | 29.5 | | µg/kg wet | | 30.0 | | 98 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 30.0 | | µg/kg wet | | 30.0 | | 100 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 30.6 | | µg/kg wet | | 30.0 | | 102 | 70-130 | | |
| LCS (1424921-BS1) | | | | | <u>Prepared & Analyzed: 22-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 15.7 | D | µg/kg wet | | 20.0 | | 78 | 70-130 | | |
| Acetone | 19.7 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| Acrylonitrile | 17.9 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| Benzene | 16.3 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | | |
| Bromobenzene | 17.0 | D | µg/kg wet | | 20.0 | | 85 | 70-130 | | |
| Bromochloromethane | 17.0 | D | µg/kg wet | | 20.0 | | 85 | 70-130 | | |
| Bromodichloromethane | 17.4 | D | µg/kg wet | | 20.0 | | 87 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--|------|-----------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1424921 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>LCS (1424921-BS1)</u> | <u>Prepared & Analyzed: 22-Oct-14</u> | | | | | | | | | |
| Bromoform | 18.9 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| Bromomethane | 16.5 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | | |
| 2-Butanone (MEK) | 16.5 | D | µg/kg wet | | 20.0 | | 83 | 70-130 | | |
| n-Butylbenzene | 16.3 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | | |
| sec-Butylbenzene | 16.7 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| tert-Butylbenzene | 16.9 | D | µg/kg wet | | 20.0 | | 85 | 70-130 | | |
| Carbon disulfide | 15.8 | D | µg/kg wet | | 20.0 | | 79 | 70-130 | | |
| Carbon tetrachloride | 16.4 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | | |
| Chlorobenzene | 17.4 | D | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| Chloroethane | 15.1 | D | µg/kg wet | | 20.0 | | 75 | 70-130 | | |
| Chloroform | 16.1 | D | µg/kg wet | | 20.0 | | 80 | 70-130 | | |
| Chloromethane | 14.5 | D | µg/kg wet | | 20.0 | | 72 | 70-130 | | |
| 2-Chlorotoluene | 17.0 | D | µg/kg wet | | 20.0 | | 85 | 70-130 | | |
| 4-Chlorotoluene | 17.0 | D | µg/kg wet | | 20.0 | | 85 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 18.3 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Dibromochloromethane | 18.0 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 17.9 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| Dibromomethane | 17.9 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| 1,2-Dichlorobenzene | 18.1 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| 1,3-Dichlorobenzene | 17.7 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| 1,4-Dichlorobenzene | 16.9 | D | µg/kg wet | | 20.0 | | 85 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 14.2 | D | µg/kg wet | | 20.0 | | 71 | 70-130 | | |
| 1,1-Dichloroethane | 15.9 | D | µg/kg wet | | 20.0 | | 79 | 70-130 | | |
| 1,2-Dichloroethane | 16.8 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| 1,1-Dichloroethene | 14.8 | D | µg/kg wet | | 20.0 | | 74 | 70-130 | | |
| cis-1,2-Dichloroethene | 16.7 | D | µg/kg wet | | 20.0 | | 83 | 70-130 | | |
| trans-1,2-Dichloroethene | 16.2 | D | µg/kg wet | | 20.0 | | 81 | 70-130 | | |
| 1,2-Dichloropropane | 17.2 | D | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| 1,3-Dichloropropane | 17.6 | D | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| 2,2-Dichloropropane | 15.6 | D | µg/kg wet | | 20.0 | | 78 | 70-130 | | |
| 1,1-Dichloropropene | 14.9 | D | µg/kg wet | | 20.0 | | 74 | 70-130 | | |
| cis-1,3-Dichloropropene | 17.5 | D | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| trans-1,3-Dichloropropene | 18.2 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Ethylbenzene | 16.9 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| Hexachlorobutadiene | 16.6 | D | µg/kg wet | | 20.0 | | 83 | 70-130 | | |
| 2-Hexanone (MBK) | 18.4 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| Isopropylbenzene | 16.6 | D | µg/kg wet | | 20.0 | | 83 | 70-130 | | |
| 4-Isopropyltoluene | 16.3 | D | µg/kg wet | | 20.0 | | 81 | 70-130 | | |
| Methyl tert-butyl ether | 17.8 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 19.0 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| Methylene chloride | 19.2 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| Naphthalene | 19.1 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| n-Propylbenzene | 16.7 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| Styrene | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 17.6 | D | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 18.2 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Tetrachloroethene | 15.5 | D | µg/kg wet | | 20.0 | | 78 | 70-130 | | |
| Toluene | 16.4 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 18.1 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 18.0 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 17.2 | D | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| 1,1,1-Trichloroethane | 16.2 | D | µg/kg wet | | 20.0 | | 81 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424921 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>LCS (1424921-BS1)</u> | | | | | <u>Prepared & Analyzed: 22-Oct-14</u> | | | | | |
| 1,1,2-Trichloroethane | 18.4 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| Trichloroethene | 16.4 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 15.4 | D | µg/kg wet | | 20.0 | | 77 | 70-130 | | |
| 1,2,3-Trichloropropane | 17.4 | D | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 17.5 | D | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 17.1 | D | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| Vinyl chloride | 15.1 | D | µg/kg wet | | 20.0 | | 75 | 70-130 | | |
| m,p-Xylene | 16.8 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | | |
| o-Xylene | 17.3 | D | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| Tetrahydrofuran | 17.7 | D | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| Ethyl ether | 18.1 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Tert-amyl methyl ether | 17.7 | D | µg/kg wet | | 20.0 | | 88 | 70-130 | | |
| Ethyl tert-butyl ether | 17.8 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| Di-isopropyl ether | 17.2 | D | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 164 | D | µg/kg wet | | 200 | | 82 | 70-130 | | |
| 1,4-Dioxane | 197 | D | µg/kg wet | | 200 | | 98 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 17.3 | D | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| Ethanol | 358 | D | µg/kg wet | | 400 | | 90 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 30.9 | | µg/kg wet | | 30.0 | | 103 | 70-130 | | |
| Surrogate: Toluene-d8 | 29.8 | | µg/kg wet | | 30.0 | | 100 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 30.4 | | µg/kg wet | | 30.0 | | 101 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 30.7 | | µg/kg wet | | 30.0 | | 102 | 70-130 | | |
| <u>LCS Dup (1424921-BS1)</u> | | | | | <u>Prepared & Analyzed: 22-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 15.6 | D | µg/kg wet | | 20.0 | | 78 | 70-130 | 0.3 | 30 |
| Acetone | 20.3 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 3 | 30 |
| Acrylonitrile | 21.3 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | 17 | 30 |
| Benzene | 16.5 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | 0.9 | 30 |
| Bromobenzene | 16.8 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | 1 | 30 |
| Bromochloromethane | 17.4 | D | µg/kg wet | | 20.0 | | 87 | 70-130 | 2 | 30 |
| Bromodichloromethane | 17.4 | D | µg/kg wet | | 20.0 | | 87 | 70-130 | 0.2 | 30 |
| Bromoform | 19.1 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | 0.7 | 30 |
| Bromomethane | 16.9 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | 2 | 30 |
| 2-Butanone (MEK) | 16.5 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | 0.5 | 30 |
| n-Butylbenzene | 16.1 | D | µg/kg wet | | 20.0 | | 81 | 70-130 | 1 | 30 |
| sec-Butylbenzene | 16.6 | D | µg/kg wet | | 20.0 | | 83 | 70-130 | 0.8 | 30 |
| tert-Butylbenzene | 16.9 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | 0.2 | 30 |
| Carbon disulfide | 15.7 | D | µg/kg wet | | 20.0 | | 79 | 70-130 | 0.3 | 30 |
| Carbon tetrachloride | 16.1 | D | µg/kg wet | | 20.0 | | 81 | 70-130 | 1 | 30 |
| Chlorobenzene | 17.2 | D | µg/kg wet | | 20.0 | | 86 | 70-130 | 1 | 30 |
| Chloroethane | 14.7 | D | µg/kg wet | | 20.0 | | 74 | 70-130 | 2 | 30 |
| Chloroform | 16.1 | D | µg/kg wet | | 20.0 | | 80 | 70-130 | 0.2 | 30 |
| Chloromethane | 14.2 | D | µg/kg wet | | 20.0 | | 71 | 70-130 | 2 | 30 |
| 2-Chlorotoluene | 16.9 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | 0.8 | 30 |
| 4-Chlorotoluene | 16.8 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | 1 | 30 |
| 1,2-Dibromo-3-chloropropane | 19.1 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | 4 | 30 |
| Dibromochloromethane | 18.4 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | 2 | 30 |
| 1,2-Dibromoethane (EDB) | 18.0 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | 0.4 | 30 |
| Dibromomethane | 18.3 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | 2 | 30 |
| 1,2-Dichlorobenzene | 18.1 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | 0.1 | 30 |
| 1,3-Dichlorobenzene | 17.0 | D | µg/kg wet | | 20.0 | | 85 | 70-130 | 4 | 30 |
| 1,4-Dichlorobenzene | 17.3 | D | µg/kg wet | | 20.0 | | 86 | 70-130 | 2 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-----------|------|--|---------------|------|-------------|------|-----------|
| Batch 1424921 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>LCS Dup (1424921-BSD1)</u> | | | | | <u>Prepared & Analyzed: 22-Oct-14</u> | | | | | |
| Dichlorodifluoromethane (Freon12) | 14.4 | D | µg/kg wet | | 20.0 | | 72 | 70-130 | 2 | 30 |
| 1,1-Dichloroethane | 15.8 | D | µg/kg wet | | 20.0 | | 79 | 70-130 | 0.3 | 30 |
| 1,2-Dichloroethane | 17.3 | D | µg/kg wet | | 20.0 | | 87 | 70-130 | 3 | 30 |
| 1,1-Dichloroethene | 14.6 | D | µg/kg wet | | 20.0 | | 73 | 70-130 | 2 | 30 |
| cis-1,2-Dichloroethene | 16.6 | D | µg/kg wet | | 20.0 | | 83 | 70-130 | 0.8 | 30 |
| trans-1,2-Dichloroethene | 15.4 | D | µg/kg wet | | 20.0 | | 77 | 70-130 | 5 | 30 |
| 1,2-Dichloropropane | 17.0 | D | µg/kg wet | | 20.0 | | 85 | 70-130 | 0.6 | 30 |
| 1,3-Dichloropropane | 17.4 | D | µg/kg wet | | 20.0 | | 87 | 70-130 | 0.9 | 30 |
| 2,2-Dichloropropane | 15.7 | D | µg/kg wet | | 20.0 | | 79 | 70-130 | 0.6 | 30 |
| 1,1-Dichloropropene | 16.3 | D | µg/kg wet | | 20.0 | | 81 | 70-130 | 9 | 30 |
| cis-1,3-Dichloropropene | 17.4 | D | µg/kg wet | | 20.0 | | 87 | 70-130 | 1 | 30 |
| trans-1,3-Dichloropropene | 18.1 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | 0.8 | 30 |
| Ethylbenzene | 16.6 | D | µg/kg wet | | 20.0 | | 83 | 70-130 | 2 | 30 |
| Hexachlorobutadiene | 16.8 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | 1 | 30 |
| 2-Hexanone (MBK) | 18.7 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 2 | 30 |
| Isopropylbenzene | 16.4 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | 1 | 30 |
| 4-Isopropyltoluene | 16.4 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | 1 | 30 |
| Methyl tert-butyl ether | 17.9 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | 1 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 18.5 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | 3 | 30 |
| Methylene chloride | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 3 | 30 |
| Naphthalene | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 2 | 30 |
| n-Propylbenzene | 16.4 | D | µg/kg wet | | 20.0 | | 82 | 70-130 | 2 | 30 |
| Styrene | 16.8 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | 10 | 30 |
| 1,1,1,2-Tetrachloroethane | 17.1 | D | µg/kg wet | | 20.0 | | 85 | 70-130 | 3 | 30 |
| 1,1,2,2-Tetrachloroethane | 18.1 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | 0.2 | 30 |
| Tetrachloroethene | 15.8 | D | µg/kg wet | | 20.0 | | 79 | 70-130 | 2 | 30 |
| Toluene | 16.2 | D | µg/kg wet | | 20.0 | | 81 | 70-130 | 0.9 | 30 |
| 1,2,3-Trichlorobenzene | 18.4 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | 2 | 30 |
| 1,2,4-Trichlorobenzene | 18.5 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 3 | 30 |
| 1,3,5-Trichlorobenzene | 17.5 | D | µg/kg wet | | 20.0 | | 88 | 70-130 | 2 | 30 |
| 1,1,1-Trichloroethane | 16.0 | D | µg/kg wet | | 20.0 | | 80 | 70-130 | 1 | 30 |
| 1,1,2-Trichloroethane | 18.1 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | 2 | 30 |
| Trichloroethene | 15.4 | D | µg/kg wet | | 20.0 | | 77 | 70-130 | 6 | 30 |
| Trichlorofluoromethane (Freon 11) | 15.5 | D | µg/kg wet | | 20.0 | | 77 | 70-130 | 0.4 | 30 |
| 1,2,3-Trichloropropane | 18.0 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | 3 | 30 |
| 1,2,4-Trimethylbenzene | 17.4 | D | µg/kg wet | | 20.0 | | 87 | 70-130 | 0.9 | 30 |
| 1,3,5-Trimethylbenzene | 17.1 | D | µg/kg wet | | 20.0 | | 85 | 70-130 | 0.4 | 30 |
| Vinyl chloride | 14.5 | D | µg/kg wet | | 20.0 | | 72 | 70-130 | 4 | 30 |
| m,p-Xylene | 16.6 | D | µg/kg wet | | 20.0 | | 83 | 70-130 | 1 | 30 |
| o-Xylene | 17.1 | D | µg/kg wet | | 20.0 | | 86 | 70-130 | 0.7 | 30 |
| Tetrahydrofuran | 17.1 | D | µg/kg wet | | 20.0 | | 85 | 70-130 | 4 | 30 |
| Ethyl ether | 18.1 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | 0.06 | 30 |
| Tert-amyl methyl ether | 17.7 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | 0.3 | 30 |
| Ethyl tert-butyl ether | 17.8 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | 0.06 | 30 |
| Di-isopropyl ether | 17.4 | D | µg/kg wet | | 20.0 | | 87 | 70-130 | 1 | 30 |
| Tert-Butanol / butyl alcohol | 169 | D | µg/kg wet | | 200 | | 84 | 70-130 | 3 | 30 |
| 1,4-Dioxane | 183 | D | µg/kg wet | | 200 | | 91 | 70-130 | 8 | 30 |
| trans-1,4-Dichloro-2-butene | 16.8 | D | µg/kg wet | | 20.0 | | 84 | 70-130 | 3 | 30 |
| Ethanol | 360 | D | µg/kg wet | | 400 | | 90 | 70-130 | 0.4 | 30 |
| Surrogate: 4-Bromofluorobenzene | 30.3 | | µg/kg wet | | 30.0 | | 101 | 70-130 | | |
| Surrogate: Toluene-d8 | 30.1 | | µg/kg wet | | 30.0 | | 100 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1424921 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>LCS Dup (1424921-BSD1)</u> | | | | | <u>Prepared & Analyzed: 22-Oct-14</u> | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 30.6 | | µg/kg wet | | 30.0 | | 102 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 30.4 | | µg/kg wet | | 30.0 | | 101 | 70-130 | | |
| Batch 1425049 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>Blank (1425049-BLK1)</u> | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Acetone | < 500 | D | µg/kg wet | 500 | | | | | | |
| Acrylonitrile | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Benzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromodichloromethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromoform | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Bromomethane | < 100 | D | µg/kg wet | 100 | | | | | | |
| 2-Butanone (MEK) | < 500 | D | µg/kg wet | 500 | | | | | | |
| n-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| sec-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| tert-Butylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Carbon disulfide | < 100 | D | µg/kg wet | 100 | | | | | | |
| Carbon tetrachloride | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Chlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Chloroethane | < 100 | D | µg/kg wet | 100 | | | | | | |
| Chloroform | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Chloromethane | < 100 | D | µg/kg wet | 100 | | | | | | |
| 2-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 4-Chlorotoluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dibromo-3-chloropropane | < 100 | D | µg/kg wet | 100 | | | | | | |
| Dibromochloromethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dibromoethane (EDB) | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Dibromomethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,4-Dichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Dichlorodifluoromethane (Freon12) | < 100 | D | µg/kg wet | 100 | | | | | | |
| 1,1-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| cis-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| trans-1,2-Dichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 2,2-Dichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| cis-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| trans-1,3-Dichloropropene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Ethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Hexachlorobutadiene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 2-Hexanone (MBK) | < 500 | D | µg/kg wet | 500 | | | | | | |
| Isopropylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 4-Isopropyltoluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Methyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | < 500 | D | µg/kg wet | 500 | | | | | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|---------|------|-----------|-------|---|---------------|------|-------------|-----|-----------|
| Batch 1425049 - SW846 5035A Soil (high level) | | | | | | | | | | |
| Blank (1425049-BLK1) | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | | |
| Methylene chloride | < 100 | D | µg/kg wet | 100 | | | | | | |
| Naphthalene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| n-Propylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Styrene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,1,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,2,2-Tetrachloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tetrachloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Toluene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,3-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,4-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3,5-Trichlorobenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,1-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,1,2-Trichloroethane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Trichloroethene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Trichlorofluoromethane (Freon 11) | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,3-Trichloropropane | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,2,4-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| 1,3,5-Trimethylbenzene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Vinyl chloride | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| m,p-Xylene | < 100 | D | µg/kg wet | 100 | | | | | | |
| o-Xylene | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tetrahydrofuran | < 100 | D | µg/kg wet | 100 | | | | | | |
| Ethyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tert-amyl methyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Ethyl tert-butyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Di-isopropyl ether | < 50.0 | D | µg/kg wet | 50.0 | | | | | | |
| Tert-Butanol / butyl alcohol | < 500 | D | µg/kg wet | 500 | | | | | | |
| 1,4-Dioxane | < 1000 | D | µg/kg wet | 1000 | | | | | | |
| trans-1,4-Dichloro-2-butene | < 250 | D | µg/kg wet | 250 | | | | | | |
| Ethanol | < 20000 | D | µg/kg wet | 20000 | | | | | | |
| <hr/> | | | | | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 31.0 | | µg/kg wet | | 30.0 | | 103 | 70-130 | | |
| Surrogate: Toluene-d8 | 29.9 | | µg/kg wet | | 30.0 | | 100 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 30.1 | | µg/kg wet | | 30.0 | | 100 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 30.5 | | µg/kg wet | | 30.0 | | 102 | 70-130 | | |
| LCS (1425049-BS1) | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 17.7 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| Acetone | 20.3 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Acrylonitrile | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Benzene | 19.3 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Bromobenzene | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Bromochloromethane | 20.3 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Bromodichloromethane | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Bromoform | 21.2 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| Bromomethane | 18.8 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| 2-Butanone (MEK) | 20.7 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| n-Butylbenzene | 18.9 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| sec-Butylbenzene | 20.7 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| tert-Butylbenzene | 20.7 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| Carbon disulfide | 19.7 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Carbon tetrachloride | 19.7 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| Chlorobenzene | 20.9 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--|------|-----------|------|-------------|---------------|------|-------------|-----|-----------|
| Batch 1425049 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>LCS (1425049-BS1)</u> | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | | | | | | |
| Chloroethane | 18.8 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| Chloroform | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Chloromethane | 17.4 | D | µg/kg wet | | 20.0 | | 87 | 70-130 | | |
| 2-Chlorotoluene | 20.6 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | | |
| 4-Chlorotoluene | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 23.7 | D | µg/kg wet | | 20.0 | | 119 | 70-130 | | |
| Dibromochloromethane | 21.4 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| 1,2-Dibromoethane (EDB) | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Dibromomethane | 21.6 | D | µg/kg wet | | 20.0 | | 108 | 70-130 | | |
| 1,2-Dichlorobenzene | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 1,3-Dichlorobenzene | 20.7 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 1,4-Dichlorobenzene | 19.5 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| Dichlorodifluoromethane (Freon12) | 17.0 | D | µg/kg wet | | 20.0 | | 85 | 70-130 | | |
| 1,1-Dichloroethane | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| 1,2-Dichloroethane | 20.3 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 1,1-Dichloroethene | 17.2 | D | µg/kg wet | | 20.0 | | 86 | 70-130 | | |
| cis-1,2-Dichloroethene | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| trans-1,2-Dichloroethene | 18.8 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| 1,2-Dichloropropane | 19.3 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | | |
| 1,3-Dichloropropane | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| 2,2-Dichloropropane | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| 1,1-Dichloropropene | 17.8 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | | |
| cis-1,3-Dichloropropene | 20.3 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| trans-1,3-Dichloropropene | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Ethylbenzene | 20.3 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Hexachlorobutadiene | 19.5 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | | |
| 2-Hexanone (MBK) | 20.3 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Isopropylbenzene | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| 4-Isopropyltoluene | 19.1 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| Methyl tert-butyl ether | 20.3 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Methylene chloride | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Naphthalene | 21.3 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | | |
| n-Propylbenzene | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Styrene | 21.9 | D | µg/kg wet | | 20.0 | | 109 | 70-130 | | |
| 1,1,1,2-Tetrachloroethane | 20.3 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| 1,1,2,2-Tetrachloroethane | 22.8 | D | µg/kg wet | | 20.0 | | 114 | 70-130 | | |
| Tetrachloroethene | 18.3 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | | |
| Toluene | 19.0 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | | |
| 1,2,3-Trichlorobenzene | 21.1 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| 1,2,4-Trichlorobenzene | 21.1 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| 1,3,5-Trichlorobenzene | 20.3 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| 1,1,1-Trichloroethane | 18.7 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | | |
| 1,1,2-Trichloroethane | 20.9 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| Trichloroethene | 18.1 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | | |
| Trichlorofluoromethane (Freon 11) | 18.5 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | | |
| 1,2,3-Trichloropropane | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 21.3 | D | µg/kg wet | | 20.0 | | 106 | 70-130 | | |
| 1,3,5-Trimethylbenzene | 21.0 | D | µg/kg wet | | 20.0 | | 105 | 70-130 | | |
| Vinyl chloride | 19.9 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | | |
| m,p-Xylene | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | | |
| o-Xylene | 20.6 | D | µg/kg wet | | 20.0 | | 103 | 70-130 | | |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|--------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1425049 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>LCS (1425049-BS1)</u> | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | | |
| Tetrahydrofuran | 18.7 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | | |
| Ethyl ether | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | | |
| Tert-amyl methyl ether | 20.1 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Ethyl tert-butyl ether | 20.3 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | | |
| Di-isopropyl ether | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | | |
| Tert-Butanol / butyl alcohol | 189 | D | µg/kg wet | | 200 | | 95 | 70-130 | | |
| 1,4-Dioxane | 206 | D | µg/kg wet | | 200 | | 103 | 70-130 | | |
| trans-1,4-Dichloro-2-butene | 12.0 | QC2, D | µg/kg wet | | 20.0 | | 60 | 70-130 | | |
| Ethanol | 381 | D | µg/kg wet | | 400 | | 95 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 32.0 | | µg/kg wet | | 30.0 | | 107 | 70-130 | | |
| Surrogate: Toluene-d8 | 29.5 | | µg/kg wet | | 30.0 | | 98 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 30.8 | | µg/kg wet | | 30.0 | | 103 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 31.1 | | µg/kg wet | | 30.0 | | 104 | 70-130 | | |
| <u>LCS Dup (1425049-BSD1)</u> | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 17.9 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | 1 | 30 |
| Acetone | 22.9 | D | µg/kg wet | | 20.0 | | 115 | 70-130 | 12 | 30 |
| Acrylonitrile | 17.8 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | 10 | 30 |
| Benzene | 19.2 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | 0.8 | 30 |
| Bromobenzene | 20.7 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | 0.2 | 30 |
| Bromochloromethane | 19.9 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 2 | 30 |
| Bromodichloromethane | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 3 | 30 |
| Bromoform | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | 4 | 30 |
| Bromomethane | 18.5 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 1 | 30 |
| 2-Butanone (MEK) | 15.9 | D | µg/kg wet | | 20.0 | | 80 | 70-130 | 26 | 30 |
| n-Butylbenzene | 18.4 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | 3 | 30 |
| sec-Butylbenzene | 20.1 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 3 | 30 |
| tert-Butylbenzene | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 2 | 30 |
| Carbon disulfide | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 0.5 | 30 |
| Carbon tetrachloride | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 0.5 | 30 |
| Chlorobenzene | 20.0 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 4 | 30 |
| Chloroethane | 17.9 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | 5 | 30 |
| Chloroform | 18.8 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | 1 | 30 |
| Chloromethane | 18.0 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | 4 | 30 |
| 2-Chlorotoluene | 19.4 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | 6 | 30 |
| 4-Chlorotoluene | 19.7 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 4 | 30 |
| 1,2-Dibromo-3-chloropropane | 20.4 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | 15 | 30 |
| Dibromochloromethane | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 5 | 30 |
| 1,2-Dibromoethane (EDB) | 19.9 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 3 | 30 |
| Dibromomethane | 20.8 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | 4 | 30 |
| 1,2-Dichlorobenzene | 19.4 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | 7 | 30 |
| 1,3-Dichlorobenzene | 20.3 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 2 | 30 |
| 1,4-Dichlorobenzene | 19.0 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | 2 | 30 |
| Dichlorodifluoromethane (Freon12) | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 9 | 30 |
| 1,1-Dichloroethane | 18.5 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | 0.3 | 30 |
| 1,2-Dichloroethane | 19.0 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | 7 | 30 |
| 1,1-Dichloroethene | 18.1 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | 5 | 30 |
| cis-1,2-Dichloroethene | 18.7 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 0.5 | 30 |
| trans-1,2-Dichloroethene | 18.5 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | 2 | 30 |
| 1,2-Dichloropropane | 18.9 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | 2 | 30 |
| 1,3-Dichloropropane | 19.7 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 0.7 | 30 |
| 2,2-Dichloropropane | 19.2 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | 2 | 30 |

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Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|--------|-----------|------|--|---------------|------|-------------|-----|-----------|
| Batch 1425049 - SW846 5035A Soil (high level) | | | | | | | | | | |
| <u>LCS Dup (1425049-BSD1)</u> | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | | |
| 1,1-Dichloropropene | 18.5 | D | µg/kg wet | | 20.0 | | 92 | 70-130 | 4 | 30 |
| cis-1,3-Dichloropropene | 18.8 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | 8 | 30 |
| trans-1,3-Dichloropropene | 19.7 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 3 | 30 |
| Ethylbenzene | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 3 | 30 |
| Hexachlorobutadiene | 19.6 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 0.5 | 30 |
| 2-Hexanone (MBK) | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 2 | 30 |
| Isopropylbenzene | 20.1 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 1 | 30 |
| 4-Isopropyltoluene | 18.6 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 3 | 30 |
| Methyl tert-butyl ether | 19.9 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 2 | 30 |
| 4-Methyl-2-pentanone (MIBK) | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 3 | 30 |
| Methylene chloride | 17.8 | D | µg/kg wet | | 20.0 | | 89 | 70-130 | 11 | 30 |
| Naphthalene | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 8 | 30 |
| n-Propylbenzene | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 3 | 30 |
| Styrene | 21.4 | D | µg/kg wet | | 20.0 | | 107 | 70-130 | 2 | 30 |
| 1,1,1,2-Tetrachloroethane | 20.7 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | 2 | 30 |
| 1,1,2,2-Tetrachloroethane | 21.9 | D | µg/kg wet | | 20.0 | | 109 | 70-130 | 4 | 30 |
| Tetrachloroethene | 18.1 | D | µg/kg wet | | 20.0 | | 90 | 70-130 | 0.9 | 30 |
| Toluene | 18.7 | D | µg/kg wet | | 20.0 | | 93 | 70-130 | 2 | 30 |
| 1,2,3-Trichlorobenzene | 19.4 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | 8 | 30 |
| 1,2,4-Trichlorobenzene | 19.4 | D | µg/kg wet | | 20.0 | | 97 | 70-130 | 8 | 30 |
| 1,3,5-Trichlorobenzene | 18.9 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | 7 | 30 |
| 1,1,1-Trichloroethane | 19.2 | D | µg/kg wet | | 20.0 | | 96 | 70-130 | 2 | 30 |
| 1,1,2-Trichloroethane | 20.2 | D | µg/kg wet | | 20.0 | | 101 | 70-130 | 3 | 30 |
| Trichloroethene | 18.1 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | 0.3 | 30 |
| Trichlorofluoromethane (Freon 11) | 19.1 | D | µg/kg wet | | 20.0 | | 95 | 70-130 | 3 | 30 |
| 1,2,3-Trichloropropane | 19.7 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 5 | 30 |
| 1,2,4-Trimethylbenzene | 20.9 | D | µg/kg wet | | 20.0 | | 104 | 70-130 | 2 | 30 |
| 1,3,5-Trimethylbenzene | 20.5 | D | µg/kg wet | | 20.0 | | 102 | 70-130 | 2 | 30 |
| Vinyl chloride | 18.8 | D | µg/kg wet | | 20.0 | | 94 | 70-130 | 5 | 30 |
| m,p-Xylene | 19.9 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 2 | 30 |
| o-Xylene | 19.8 | D | µg/kg wet | | 20.0 | | 99 | 70-130 | 4 | 30 |
| Tetrahydrofuran | 18.3 | D | µg/kg wet | | 20.0 | | 91 | 70-130 | 2 | 30 |
| Ethyl ether | 19.5 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 4 | 30 |
| Tert-amyl methyl ether | 19.7 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 2 | 30 |
| Ethyl tert-butyl ether | 19.9 | D | µg/kg wet | | 20.0 | | 100 | 70-130 | 2 | 30 |
| Di-isopropyl ether | 19.5 | D | µg/kg wet | | 20.0 | | 98 | 70-130 | 3 | 30 |
| Tert-Butanol / butyl alcohol | 189 | D | µg/kg wet | | 200 | | 94 | 70-130 | 0.2 | 30 |
| 1,4-Dioxane | 201 | D | µg/kg wet | | 200 | | 101 | 70-130 | 3 | 30 |
| trans-1,4-Dichloro-2-butene | 12.1 | QC2, D | µg/kg wet | | 20.0 | | 60 | 70-130 | 0.2 | 30 |
| Ethanol | 387 | D | µg/kg wet | | 400 | | 97 | 70-130 | 2 | 30 |
| Surrogate: 4-Bromofluorobenzene | 31.8 | | µg/kg wet | | 30.0 | | 106 | 70-130 | | |
| Surrogate: Toluene-d8 | 30.4 | | µg/kg wet | | 30.0 | | 101 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 30.7 | | µg/kg wet | | 30.0 | | 102 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 31.4 | | µg/kg wet | | 30.0 | | 104 | 70-130 | | |

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---------|--------|-----------|-------|---|---------------|------|------------------|-----|-----------|
| Batch 1424869 - SW846 3050B | | | | | | | | | | |
| <u>Blank (1424869-BLK1)</u> | | | | | <u>Prepared: 22-Oct-14 Analyzed: 25-Oct-14</u> | | | | | |
| Manganese | < 0.966 | | mg/kg wet | 0.966 | | | | | | |
| Zinc | < 0.966 | | mg/kg wet | 0.966 | | | | | | |
| Lead | < 1.45 | | mg/kg wet | 1.45 | | | | | | |
| Copper | < 0.966 | | mg/kg wet | 0.966 | | | | | | |
| Chromium | < 0.966 | | mg/kg wet | 0.966 | | | | | | |
| Cadmium | < 0.483 | | mg/kg wet | 0.483 | | | | | | |
| Arsenic | < 1.45 | | mg/kg wet | 1.45 | | | | | | |
| Nickel | < 0.966 | | mg/kg wet | 0.966 | | | | | | |
| <u>Duplicate (1424869-DUP1)</u> | | | | | <u>Source: SB98147-13 Prepared: 22-Oct-14 Analyzed: 25-Oct-14</u> | | | | | |
| Manganese | 230 | | mg/kg dry | 1.06 | | 201 | | | 14 | 20 |
| Lead | 4.10 | QM4 | mg/kg dry | 1.60 | | 8.50 | | | 70 | 20 |
| Nickel | 7.17 | QM4 | mg/kg dry | 1.06 | | 9.42 | | | 27 | 20 |
| Copper | 13.8 | QM4 | mg/kg dry | 1.06 | | 24.7 | | | 57 | 20 |
| Chromium | 10.5 | QM4 | mg/kg dry | 1.06 | | 7.59 | | | 32 | 20 |
| Cadmium | 0.196 | J, QM4 | mg/kg dry | 0.532 | | 0.252 | | | 25 | 20 |
| Arsenic | < 1.60 | | mg/kg dry | 1.60 | | 0.972 | | | | 20 |
| Zinc | 42.6 | QM4 | mg/kg dry | 1.06 | | 54.8 | | | 25 | 20 |
| <u>Matrix Spike (1424869-MS1)</u> | | | | | <u>Source: SB98147-13 Prepared: 22-Oct-14 Analyzed: 25-Oct-14</u> | | | | | |
| Manganese | 407 | QM6 | mg/kg dry | 1.10 | 138 | 201 | 150 | 75-125 | | |
| Copper | 166 | | mg/kg dry | 1.10 | 138 | 24.7 | 103 | 75-125 | | |
| Chromium | 146 | | mg/kg dry | 1.10 | 138 | 7.59 | 101 | 75-125 | | |
| Zinc | 180 | | mg/kg dry | 1.10 | 138 | 54.8 | 91 | 75-125 | | |
| Cadmium | 135 | | mg/kg dry | 0.551 | 138 | 0.252 | 98 | 75-125 | | |
| Lead | 133 | | mg/kg dry | 1.65 | 138 | 8.50 | 91 | 75-125 | | |
| Nickel | 146 | | mg/kg dry | 1.10 | 138 | 9.42 | 99 | 75-125 | | |
| Arsenic | 123 | | mg/kg dry | 1.65 | 138 | 0.972 | 88 | 75-125 | | |
| <u>Matrix Spike Dup (1424869-MSD1)</u> | | | | | <u>Source: SB98147-13 Prepared: 22-Oct-14 Analyzed: 25-Oct-14</u> | | | | | |
| Manganese | 310 | QM6 | mg/kg dry | 1.06 | 132 | 201 | 83 | 75-125 | 27 | 20 |
| Zinc | 129 | QM6 | mg/kg dry | 1.06 | 132 | 54.8 | 56 | 75-125 | 33 | 20 |
| Nickel | 103 | QM6 | mg/kg dry | 1.06 | 132 | 9.42 | 71 | 75-125 | 35 | 20 |
| Copper | 118 | QM6 | mg/kg dry | 1.06 | 132 | 24.7 | 71 | 75-125 | 34 | 20 |
| Arsenic | 91.2 | QM6 | mg/kg dry | 1.59 | 132 | 0.972 | 68 | 75-125 | 30 | 20 |
| Chromium | 105 | QM6 | mg/kg dry | 1.06 | 132 | 7.59 | 74 | 75-125 | 33 | 20 |
| Cadmium | 100 | QM6 | mg/kg dry | 0.529 | 132 | 0.252 | 76 | 75-125 | 30 | 20 |
| Lead | 101 | QM6 | mg/kg dry | 1.59 | 132 | 8.50 | 70 | 75-125 | 28 | 20 |
| <u>Post Spike (1424869-PS1)</u> | | | | | <u>Source: SB98147-13 Prepared: 22-Oct-14 Analyzed: 25-Oct-14</u> | | | | | |
| Manganese | 331 | | mg/kg dry | 1.06 | 133 | 201 | 98 | 80-120 | | |
| Zinc | 175 | | mg/kg dry | 1.06 | 133 | 54.8 | 90 | 80-120 | | |
| Lead | 132 | | mg/kg dry | 1.59 | 133 | 8.50 | 93 | 80-120 | | |
| Copper | 161 | | mg/kg dry | 1.06 | 133 | 24.7 | 103 | 80-120 | | |
| Nickel | 135 | | mg/kg dry | 1.06 | 133 | 9.42 | 95 | 80-120 | | |
| Arsenic | 118 | | mg/kg dry | 1.59 | 133 | 0.972 | 88 | 80-120 | | |
| Cadmium | 130 | | mg/kg dry | 0.531 | 133 | 0.252 | 98 | 80-120 | | |
| Chromium | 135 | | mg/kg dry | 1.06 | 133 | 7.59 | 96 | 80-120 | | |
| <u>Reference (1424869-SRM1)</u> | | | | | <u>Prepared: 22-Oct-14 Analyzed: 25-Oct-14</u> | | | | | |
| Manganese | 271 | | mg/kg wet | 1.00 | 285 | | 95 | 81.34-118 .47 | | |
| Arsenic | 65.1 | | mg/kg wet | 1.50 | 76.4 | | 85 | 80.79-119 .86 | | |
| Zinc | 143 | | mg/kg wet | 1.00 | 155 | | 92 | 80.06-120 .26 | | |

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|------------------------------------|---------|------|-----------|-------|--|---------------|--|--------------|-----|-----------|
| Batch 1424869 - SW846 3050B | | | | | | | | | | |
| <u>Reference (1424869-SRM1)</u> | | | | | <u>Prepared: 22-Oct-14 Analyzed: 25-Oct-14</u> | | | | | |
| Lead | 114 | | mg/kg wet | 1.50 | 129 | | 89 | 81.49-118.5 | | |
| Nickel | 145 | | mg/kg wet | 1.00 | 159 | | 91 | 82.22-117.77 | | |
| Copper | 34.9 | | mg/kg wet | 1.00 | 34.7 | | 101 | 80.9-119.24 | | |
| Chromium | 55.4 | | mg/kg wet | 1.00 | 59.2 | | 94 | 79.4-120.51 | | |
| Cadmium | 70.8 | | mg/kg wet | 0.500 | 76.9 | | 92 | 81.57-117.76 | | |
| <u>Reference (1424869-SRM2)</u> | | | | | <u>Prepared: 22-Oct-14 Analyzed: 25-Oct-14</u> | | | | | |
| Manganese | 292 | | mg/kg wet | 1.00 | 286 | | 102 | 81.34-118.47 | | |
| Copper | 35.6 | | mg/kg wet | 1.00 | 34.9 | | 102 | 80.9-119.24 | | |
| Chromium | 57.4 | | mg/kg wet | 1.00 | 59.5 | | 96 | 79.4-120.51 | | |
| Cadmium | 73.6 | | mg/kg wet | 0.500 | 77.3 | | 95 | 81.57-117.76 | | |
| Zinc | 149 | | mg/kg wet | 1.00 | 156 | | 96 | 80.06-120.26 | | |
| Lead | 118 | | mg/kg wet | 1.50 | 129 | | 91 | 81.49-118.5 | | |
| Nickel | 149 | | mg/kg wet | 1.00 | 160 | | 93 | 82.22-117.77 | | |
| Arsenic | 67.0 | | mg/kg wet | 1.50 | 76.8 | | 87 | 80.79-119.86 | | |
| Batch 1424871 - SW846 3050B | | | | | | | | | | |
| <u>Blank (1424871-BLK1)</u> | | | | | <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Manganese | < 0.835 | | mg/kg wet | 0.835 | | | | | | |
| Sodium | < 20.9 | | mg/kg wet | 20.9 | | | | | | |
| Nickel | < 0.835 | | mg/kg wet | 0.835 | | | | | | |
| Zinc | < 0.835 | | mg/kg wet | 0.835 | | | | | | |
| Arsenic | < 1.25 | | mg/kg wet | 1.25 | | | | | | |
| Cadmium | < 0.418 | | mg/kg wet | 0.418 | | | | | | |
| Chromium | < 0.835 | | mg/kg wet | 0.835 | | | | | | |
| Lead | < 1.25 | | mg/kg wet | 1.25 | | | | | | |
| Copper | < 0.835 | | mg/kg wet | 0.835 | | | | | | |
| Iron | < 3.34 | | mg/kg wet | 3.34 | | | | | | |
| Barium | < 0.835 | | mg/kg wet | 0.835 | | | | | | |
| <u>Duplicate (1424871-DUP1)</u> | | | | | <u>Source: SB98147-52</u> | | <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | |
| Sodium | 111 | | mg/kg dry | 31.0 | | 118 | | | 7 | 20 |
| Manganese | 143 | | mg/kg dry | 1.24 | | 143 | | | 0.3 | 20 |
| Cadmium | 0.140 | J | mg/kg dry | 0.619 | | 0.155 | | | 10 | 20 |
| Nickel | 9.92 | | mg/kg dry | 1.24 | | 10.6 | | | 6 | 20 |
| Iron | 9270 | | mg/kg dry | 4.95 | | 9560 | | | 3 | 20 |
| Copper | 29.7 | | mg/kg dry | 1.24 | | 34.8 | | | 16 | 20 |
| Chromium | 15.0 | | mg/kg dry | 1.24 | | 14.8 | | | 1 | 20 |
| Zinc | 84.7 | | mg/kg dry | 1.24 | | 89.2 | | | 5 | 20 |
| Lead | 11.1 | | mg/kg dry | 1.86 | | 12.7 | | | 14 | 20 |
| Arsenic | 1.25 | J | mg/kg dry | 1.86 | | 1.18 | | | 6 | 20 |
| Barium | 38.6 | | mg/kg dry | 1.24 | | 38.6 | | | 0.2 | 20 |
| <u>Matrix Spike (1424871-MS1)</u> | | | | | <u>Source: SB98147-52</u> | | <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | |
| Manganese | 347 | | mg/kg dry | 1.31 | 164 | 143 | 125 | 75-125 | | |
| Sodium | 1180 | QM8 | mg/kg dry | 32.7 | 818 | 118 | 129 | 75-125 | | |

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|--------|------|---|-------|---|---------------|------|--------------|-----|-----------|
| Batch 1424871 - SW846 3050B | | | | | | | | | | |
| <u>Matrix Spike (1424871-MS1)</u> | | | <u>Source: SB98147-52</u> | | <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Arsenic | 148 | | mg/kg dry | 1.96 | 164 | 1.18 | 90 | 75-125 | | |
| Nickel | 157 | | mg/kg dry | 1.31 | 164 | 10.6 | 89 | 75-125 | | |
| Lead | 154 | | mg/kg dry | 1.96 | 164 | 12.7 | 86 | 75-125 | | |
| Iron | 11100 | QM2 | mg/kg dry | 5.24 | 164 | 9560 | 950 | 75-125 | | |
| Copper | 194 | | mg/kg dry | 1.31 | 164 | 34.8 | 97 | 75-125 | | |
| Chromium | 177 | | mg/kg dry | 1.31 | 164 | 14.8 | 99 | 75-125 | | |
| Cadmium | 146 | | mg/kg dry | 0.655 | 164 | 0.155 | 89 | 75-125 | | |
| Zinc | 233 | | mg/kg dry | 1.31 | 164 | 89.2 | 88 | 75-125 | | |
| Barium | 207 | | mg/kg dry | 1.31 | 164 | 38.6 | 103 | 75-125 | | |
| <u>Matrix Spike Dup (1424871-MSD1)</u> | | | <u>Source: SB98147-52</u> | | <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Sodium | 1180 | QM8 | mg/kg dry | 33.4 | 835 | 118 | 127 | 75-125 | 0.5 | 20 |
| Manganese | 329 | | mg/kg dry | 1.34 | 167 | 143 | 112 | 75-125 | 5 | 20 |
| Arsenic | 150 | | mg/kg dry | 2.00 | 167 | 1.18 | 89 | 75-125 | 1 | 20 |
| Zinc | 237 | | mg/kg dry | 1.34 | 167 | 89.2 | 88 | 75-125 | 2 | 20 |
| Cadmium | 150 | | mg/kg dry | 0.668 | 167 | 0.155 | 90 | 75-125 | 3 | 20 |
| Chromium | 179 | | mg/kg dry | 1.34 | 167 | 14.8 | 98 | 75-125 | 1 | 20 |
| Copper | 199 | | mg/kg dry | 1.34 | 167 | 34.8 | 98 | 75-125 | 3 | 20 |
| Lead | 157 | | mg/kg dry | 2.00 | 167 | 12.7 | 86 | 75-125 | 2 | 20 |
| Nickel | 159 | | mg/kg dry | 1.34 | 167 | 10.6 | 89 | 75-125 | 1 | 20 |
| Iron | 10900 | QM2 | mg/kg dry | 5.35 | 167 | 9560 | 804 | 75-125 | 2 | 20 |
| Barium | 211 | | mg/kg dry | 1.34 | 167 | 38.6 | 103 | 75-125 | 2 | 20 |
| <u>Post Spike (1424871-PS1)</u> | | | <u>Source: SB98147-52</u> | | <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Manganese | 288 | | mg/kg dry | 1.34 | 168 | 143 | 87 | 80-120 | | |
| Sodium | 896 | | mg/kg dry | 33.6 | 840 | 118 | 93 | 80-120 | | |
| Nickel | 163 | | mg/kg dry | 1.34 | 168 | 10.6 | 91 | 80-120 | | |
| Iron | 8780 | QM2 | mg/kg dry | 5.37 | 168 | 9560 | -464 | 80-120 | | |
| Lead | 162 | | mg/kg dry | 2.02 | 168 | 12.7 | 89 | 80-120 | | |
| Arsenic | 154 | | mg/kg dry | 2.02 | 168 | 1.18 | 91 | 80-120 | | |
| Copper | 200 | | mg/kg dry | 1.34 | 168 | 34.8 | 98 | 80-120 | | |
| Zinc | 234 | | mg/kg dry | 1.34 | 168 | 89.2 | 86 | 80-120 | | |
| Chromium | 178 | | mg/kg dry | 1.34 | 168 | 14.8 | 97 | 80-120 | | |
| Cadmium | 154 | | mg/kg dry | 0.672 | 168 | 0.155 | 91 | 80-120 | | |
| Barium | 202 | | mg/kg dry | 1.34 | 168 | 38.6 | 97 | 80-120 | | |
| <u>Reference (1424871-SRM1)</u> | | | <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | | | |
| Sodium | 369 | | mg/kg wet | 25.0 | 376 | | 98 | 71.71-128.28 | | |
| Manganese | 260 | | mg/kg wet | 1.00 | 284 | | 92 | 81.34-118.47 | | |
| Arsenic | 69.5 | | mg/kg wet | 1.50 | 76.2 | | 91 | 80.79-119.86 | | |
| Zinc | 145 | | mg/kg wet | 1.00 | 154 | | 94 | 80.06-120.26 | | |
| Lead | 115 | | mg/kg wet | 1.50 | 128 | | 90 | 81.49-118.5 | | |
| Iron | 5980 | | mg/kg wet | 4.00 | 6200 | | 96 | 40.24-160.16 | | |
| Copper | 35.1 | | mg/kg wet | 1.00 | 34.6 | | 101 | 80.9-119.24 | | |
| Chromium | 60.6 | | mg/kg wet | 1.00 | 59.0 | | 103 | 79.4-120.51 | | |
| Cadmium | 69.9 | | mg/kg wet | 0.500 | 76.7 | | 91 | 81.57-117.76 | | |
| Nickel | 148 | | mg/kg wet | 1.00 | 159 | | 93 | 82.22-117.77 | | |

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---------|------|-----------|-------|---|---------------|-------|------------------|-----|-----------|
| Batch 1424871 - SW846 3050B | | | | | | | | | | |
| <u>Reference (1424871-SRM1)</u> | | | | | <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Barium | 142 | | mg/kg wet | 1.00 | 132 | | 107 | 82.82-117 .17 | | |
| <u>Reference (1424871-SRM2)</u> | | | | | <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Manganese | 253 | | mg/kg wet | 1.00 | 286 | | 88 | 81.34-118 .47 | | |
| Sodium | 342 | | mg/kg wet | 25.0 | 379 | | 90 | 71.71-128 .28 | | |
| Iron | 5550 | | mg/kg wet | 4.00 | 6250 | | 89 | 40.24-160 .16 | | |
| Arsenic | 65.9 | | mg/kg wet | 1.50 | 76.8 | | 86 | 80.79-119 .86 | | |
| Cadmium | 65.9 | | mg/kg wet | 0.500 | 77.3 | | 85 | 81.57-117 .76 | | |
| Chromium | 56.6 | | mg/kg wet | 1.00 | 59.5 | | 95 | 79.4-120. 51 | | |
| Copper | 33.1 | | mg/kg wet | 1.00 | 34.9 | | 95 | 80.9-119. 24 | | |
| Lead | 110 | | mg/kg wet | 1.50 | 129 | | 85 | 81.49-118 .5 | | |
| Zinc | 136 | | mg/kg wet | 1.00 | 156 | | 88 | 80.06-120 .26 | | |
| Nickel | 140 | | mg/kg wet | 1.00 | 160 | | 87 | 82.22-117 .77 | | |
| Barium | 128 | | mg/kg wet | 1.00 | 133 | | 96 | 82.82-117 .17 | | |
| Batch 1425332 - SW846 3050B | | | | | | | | | | |
| <u>Blank (1425332-BLK1)</u> | | | | | <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Sodium | < 24.1 | | mg/kg wet | 24.1 | | | | | | |
| Iron | < 3.86 | | mg/kg wet | 3.86 | | | | | | |
| Barium | < 0.966 | | mg/kg wet | 0.966 | | | | | | |
| <u>Duplicate (1425332-DUP1)</u> | | | | | <u>Source: SB98147-13</u> <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Sodium | 57.2 | QM4 | mg/kg dry | 26.6 | | 74.9 | | | 27 | 20 |
| Iron | 6660 | QM4 | mg/kg dry | 4.25 | | 9070 | | | 31 | 20 |
| Barium | 22.7 | | mg/kg dry | 1.06 | | 24.7 | | | 8 | 20 |
| <u>Matrix Spike (1425332-MS1)</u> | | | | | <u>Source: SB98147-13</u> <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Sodium | 827 | | mg/kg dry | 27.5 | 689 | 74.9 | 109 | 75-125 | | |
| Iron | 11800 | QM2 | mg/kg dry | 4.41 | 138 | 9070 | 1950 | 75-125 | | |
| Barium | 187 | | mg/kg dry | 1.10 | 138 | 24.7 | 118 | 75-125 | | |
| <u>Matrix Spike Dup (1425332-MSD1)</u> | | | | | <u>Source: SB98147-13</u> <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Sodium | 648 | QM4 | mg/kg dry | 26.5 | 661 | 74.9 | 87 | 75-125 | 24 | 20 |
| Iron | 5720 | QM2 | mg/kg dry | 4.23 | 132 | 9070 | -2530 | 75-125 | 69 | 20 |
| Barium | 122 | QM6 | mg/kg dry | 1.06 | 132 | 24.7 | 74 | 75-125 | 42 | 20 |
| <u>Post Spike (1425332-PS1)</u> | | | | | <u>Source: SB98147-13</u> <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Sodium | 733 | | mg/kg dry | 26.6 | 664 | 74.9 | 99 | 80-120 | | |
| Iron | 8240 | QM2 | mg/kg dry | 4.25 | 133 | 9070 | -628 | 80-120 | | |
| Barium | 164 | | mg/kg dry | 1.06 | 133 | 24.7 | 105 | 80-120 | | |
| <u>Reference (1425332-SRM1)</u> | | | | | <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Sodium | 381 | | mg/kg wet | 25.0 | 378 | | 101 | 71.71-128 .28 | | |
| Iron | 6740 | | mg/kg wet | 4.00 | 6230 | | 108 | 40.24-160 .16 | | |
| Barium | 147 | | mg/kg wet | 1.00 | 133 | | 111 | 82.82-117 .17 | | |
| <u>Reference (1425332-SRM2)</u> | | | | | <u>Prepared: 22-Oct-14 Analyzed: 27-Oct-14</u> | | | | | |
| Sodium | 369 | | mg/kg wet | 25.0 | 379 | | 97 | 71.71-128 .28 | | |

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|-------------|------|-----------|------|-------------|---------------|------|----------------------------|----------------------------|-----------|
| Batch 1425332 - SW846 3050B | | | | | | | | | | |
| <u>Reference (1425332-SRM2)</u> | | | | | | | | <u>Prepared: 22-Oct-14</u> | <u>Analyzed: 27-Oct-14</u> | |
| Iron | 6460 | | mg/kg wet | 4.00 | 6250 | | 103 | 40.24-160 .16 | | |
| Barium | 142 | | mg/kg wet | 1.00 | 133 | | 107 | 82.82-117 .17 | | |

General Chemistry Parameters - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|---------------------------|-------------|---|--------|-------------|------|-----------|
| Batch 1424442 - General Preparation | | | | | | | | | | |
| <u>Duplicate (1424442-DUP1)</u> | | | | <u>Source: SB98147-17</u> | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | |
| % Solids | 82.1 | | % | | | 82.8 | | | 0.8 | 5 |
| <u>Duplicate (1424442-DUP2)</u> | | | | <u>Source: SB98147-22</u> | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | |
| % Solids | 62.7 | | % | | | 62.8 | | | 0.08 | 5 |
| Batch 1424443 - General Preparation | | | | | | | | | | |
| <u>Duplicate (1424443-DUP1)</u> | | | | <u>Source: SB98147-52</u> | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | |
| % Solids | 70.5 | | % | | | 70.2 | | | 0.4 | 5 |
| <u>Duplicate (1424443-DUP2)</u> | | | | <u>Source: SB98147-55</u> | | <u>Prepared & Analyzed: 16-Oct-14</u> | | | | |
| % Solids | 65.8 | | % | | | 65.1 | | | 1 | 5 |
| Batch 1425146 - General Preparation | | | | | | | | | | |
| <u>Blank (1425146-BLK1)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | < 100 | | mg/kg | 100 | | | | | | |
| <u>LCS (1425146-BS1)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | 986 | | mg/kg | 100 | 1000 | 99 | 75-125 | | | |
| <u>Calibration Blank (1425146-CCB1)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | 36.4 | | mg/kg | | | | | | | |
| <u>Calibration Blank (1425146-CCB2)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | -24.9 | | mg/kg | | | | | | | |
| <u>Calibration Blank (1425146-CCB3)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | -12.9 | | mg/kg | | | | | | | |
| <u>Calibration Blank (1425146-CCB4)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | -0.113 | | mg/kg | | | | | | | |
| <u>Calibration Blank (1425146-CCB5)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | -2.92 | | mg/kg | | | | | | | |
| <u>Calibration Check (1425146-CCV1)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | 951 | | mg/kg | 100 | 1000 | 95 | 85-115 | | | |
| <u>Calibration Check (1425146-CCV2)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | 975 | | mg/kg | 100 | 1000 | 97 | 85-115 | | | |
| <u>Calibration Check (1425146-CCV3)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | 1020 | | mg/kg | 100 | 1000 | 102 | 85-115 | | | |
| <u>Calibration Check (1425146-CCV4)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | 997 | | mg/kg | 100 | 1000 | 100 | 85-115 | | | |
| <u>Calibration Check (1425146-CCV5)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | 933 | | mg/kg | 100 | 1000 | 93 | 85-115 | | | |
| <u>Reference (1425146-SRM1)</u> | | | | | | <u>Prepared & Analyzed: 23-Oct-14</u> | | | | |
| Total Organic Carbon | 3950 | | mg/kg | 100 | 3470 | 114 | 49-151 | | | |
| Batch 1425331 - General Preparation | | | | | | | | | | |
| <u>Blank (1425331-BLK1)</u> | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | | | |
| Total Organic Carbon | < 100 | | mg/kg | 100 | | | | | | |
| <u>LCS (1425331-BS1)</u> | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | | | |
| Total Organic Carbon | 1190 | | mg/kg | 100 | 1000 | 119 | 75-125 | | | |
| <u>Calibration Blank (1425331-CCB1)</u> | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | | | |
| Total Organic Carbon | -51.3 | | mg/kg | | | | | | | |
| <u>Calibration Blank (1425331-CCB2)</u> | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | | | |
| Total Organic Carbon | 3.73 | | mg/kg | | | | | | | |
| <u>Calibration Blank (1425331-CCB3)</u> | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | | | |
| Total Organic Carbon | 29.7 | | mg/kg | | | | | | | |
| <u>Calibration Blank (1425331-CCB4)</u> | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | | | |
| Total Organic Carbon | 16.6 | | mg/kg | | | | | | | |
| <u>Calibration Blank (1425331-CCB5)</u> | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | | | |

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General Chemistry Parameters - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|---------------------------|-------------|---------------|------|---|-----|-----------|
| Batch 1425331 - General Preparation | | | | | | | | | | |
| <u>Calibration Blank (1425331-CCB5)</u> | | | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | |
| Total Organic Carbon | 17.1 | | mg/kg | | | | | | | |
| <u>Calibration Check (1425331-CCV1)</u> | | | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | |
| Total Organic Carbon | 1100 | | mg/kg | 100 | 1000 | | 110 | 85-115 | | |
| <u>Calibration Check (1425331-CCV2)</u> | | | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | |
| Total Organic Carbon | 975 | | mg/kg | 100 | 1000 | | 97 | 85-115 | | |
| <u>Calibration Check (1425331-CCV3)</u> | | | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | |
| Total Organic Carbon | 989 | | mg/kg | 100 | 1000 | | 99 | 85-115 | | |
| <u>Calibration Check (1425331-CCV4)</u> | | | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | |
| Total Organic Carbon | 936 | | mg/kg | 100 | 1000 | | 94 | 85-115 | | |
| <u>Calibration Check (1425331-CCV5)</u> | | | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | |
| Total Organic Carbon | 1020 | | mg/kg | 100 | 1000 | | 102 | 85-115 | | |
| <u>Duplicate (1425331-DUP1)</u> | | | | <u>Source: SB98147-13</u> | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | |
| Total Organic Carbon | 394 | | mg/kg | 100 | | 410 | | | 4 | 20 |
| <u>Duplicate (1425331-DUP2)</u> | | | | <u>Source: SB98147-55</u> | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | |
| Total Organic Carbon | 6760 | | mg/kg | 100 | | 6960 | | | 3 | 20 |
| <u>Reference (1425331-SRM1)</u> | | | | | | | | <u>Prepared & Analyzed: 24-Oct-14</u> | | |
| Total Organic Carbon | 4240 | | mg/kg | 100 | 3470 | | 122 | 49-151 | | |

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Toxicity Characteristics - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|------------|---------------------------|-------------|---|----------------------------|-------------|-----|-----------|
| Batch 1424931 - General Preparation | | | | | | | | | | |
| <u>Duplicate (1424931-DUP1)</u> | | | | <u>Source: SB98147-22</u> | | <u>Prepared: 21-Oct-14</u> | <u>Analyzed: 22-Oct-14</u> | | | |
| Fractional % Sieve #4 (>4750µm) | 0.200 | | % Retained | | | 0.200 | | | 0 | 35 |
| Fractional % Sieve #10 (4750-2000µm) | 0.900 | | % Retained | | | 0.700 | | | 25 | 35 |
| Fractional % Sieve #20 (2000-850µm) | 5.50 | | % Retained | | | 6.00 | | | 9 | 35 |
| Fractional % Sieve #40 (850-425µm) | 32.3 | | % Retained | | | 30.9 | | | 4 | 35 |
| Fractional % Sieve #60 (425-250µm) | 44.6 | | % Retained | | | 45.6 | | | 2 | 35 |
| Fractional % Sieve #100 (250-150µm) | 5.00 | QR5 | % Retained | | | 0.400 | | | 170 | 35 |
| Fractional % Sieve #200 (150-75µm) | 10.8 | QR5 | % Retained | | | 15.5 | | | 36 | 35 |
| Fractional % Sieve #230 (less than 75µm) | 0.600 | | % Retained | | | 0.600 | | | 0 | 35 |
| Batch 1425083 - General Preparation | | | | | | | | | | |
| <u>Duplicate (1425083-DUP1)</u> | | | | <u>Source: SB98147-46</u> | | <u>Prepared: 22-Oct-14</u> | <u>Analyzed: 23-Oct-14</u> | | | |
| Fractional % Sieve #4 (>4750µm) | 1.83 | | % Retained | | | 1.33 | | | 32 | 35 |
| Fractional % Sieve #10 (4750-2000µm) | 6.87 | | % Retained | | | 5.03 | | | 31 | 35 |
| Fractional % Sieve #20 (2000-850µm) | 22.5 | | % Retained | | | 20.2 | | | 11 | 35 |
| Fractional % Sieve #40 (850-425µm) | 27.0 | | % Retained | | | 26.9 | | | 0.3 | 35 |
| Fractional % Sieve #60 (425-250µm) | 21.2 | | % Retained | | | 21.7 | | | 3 | 35 |
| Fractional % Sieve #100 (250-150µm) | 0.550 | QR5 | % Retained | | | 2.85 | | | 135 | 35 |
| Fractional % Sieve #200 (150-75µm) | 18.0 | | % Retained | | | 18.8 | | | 4 | 35 |
| Fractional % Sieve #230 (less than 75µm) | 2.02 | QR5 | % Retained | | | 3.13 | | | 43 | 35 |
| Batch 1425210 - General Preparation | | | | | | | | | | |
| <u>Duplicate (1425210-DUP1)</u> | | | | <u>Source: SB98147-67</u> | | <u>Prepared & Analyzed: 24-Oct-14</u> | | | | |
| Fractional % Sieve #4 (>4750µm) | 0.100 | | % Retained | | | 0.100 | | | 0 | 35 |
| Fractional % Sieve #10 (4750-2000µm) | 0.100 | | % Retained | | | 0.100 | | | 0 | 35 |
| Fractional % Sieve #20 (2000-850µm) | 0.200 | QR5 | % Retained | | | 0.100 | | | 67 | 35 |
| Fractional % Sieve #40 (850-425µm) | 3.20 | | % Retained | | | 2.60 | | | 21 | 35 |
| Fractional % Sieve #60 (425-250µm) | 33.7 | | % Retained | | | 33.2 | | | 1 | 35 |
| Fractional % Sieve #100 (250-150µm) | 0.400 | QR5 | % Retained | | | 3.20 | | | 156 | 35 |
| Fractional % Sieve #200 (150-75µm) | 60.3 | | % Retained | | | 58.3 | | | 3 | 35 |
| Fractional % Sieve #230 (less than 75µm) | 2.10 | | % Retained | | | 2.40 | | | 13 | 35 |

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The following list indicates the date and time low-level VOC soil/sediment samples were placed in the freezer:

| | | |
|------------|----------------------|--------------------|
| SB98147-08 | <i>NR-DS-SEDV-03</i> | 10/15/2014 6:20 PM |
| SB98147-11 | <i>NR-DS-SEDV-04</i> | 10/15/2014 6:20 PM |
| SB98147-14 | <i>NR-DS-SEDV-05</i> | 10/15/2014 6:20 PM |
| SB98147-32 | <i>BB-US-SEDV-04</i> | 10/15/2014 6:20 PM |
| SB98147-35 | <i>BB-US-SEDV-05</i> | 10/15/2014 6:20 PM |
| SB98147-38 | <i>BB-US-SEDV-06</i> | 10/15/2014 6:20 PM |
| SB98147-41 | <i>BB-US-SEDV-07</i> | 10/15/2014 6:20 PM |
| SB98147-44 | <i>BB-US-SEDV-08</i> | 10/15/2014 6:20 PM |
| SB98147-56 | <i>NR-US-SEDV-01</i> | 10/15/2014 6:20 PM |
| SB98147-59 | <i>NR-US-SEDV-02</i> | 10/15/2014 6:20 PM |
| SB98147-62 | <i>NR-US-SEDV-03</i> | 10/15/2014 6:20 PM |
| SB98147-65 | <i>NR-US-SEDV-04</i> | 10/15/2014 6:20 PM |
| SB98147-68 | <i>NR-US-SEDV-05</i> | 10/15/2014 6:20 PM |
| SB98147-02 | <i>NR-DS-SEDV-01</i> | 10/15/2014 6:20 PM |
| SB98147-05 | <i>NR-DS-SEDV-02</i> | 10/15/2014 6:20 PM |
| SB98147-16 | <i>DUP-4-Soil</i> | 10/15/2014 6:20 PM |
| SB98147-17 | <i>DUP-5-Soil</i> | 10/15/2014 6:20 PM |
| SB98147-23 | <i>BB-US-SEDV-01</i> | 10/15/2014 6:20 PM |
| SB98147-26 | <i>BB-US-SEDV-02</i> | 10/15/2014 6:20 PM |
| SB98147-29 | <i>BB-US-SEDV-03</i> | 10/15/2014 6:20 PM |
| SB98147-47 | <i>NR-DS-SEDV-06</i> | 10/15/2014 6:20 PM |
| SB98147-50 | <i>NR-DS-SEDV-07</i> | 10/15/2014 6:20 PM |
| SB98147-53 | <i>NR-DS-SEDV-08</i> | 10/15/2014 6:20 PM |
| SB98147-71 | <i>NR-US-SEDV-06</i> | 10/15/2014 6:20 PM |
| SB98147-74 | <i>NR-US-SEDV-07</i> | 10/15/2014 6:20 PM |
| SB98147-77 | <i>NR-US-SEDV-08</i> | 10/15/2014 6:20 PM |

Notes and Definitions

| | |
|------|--|
| D | Data reported from a dilution |
| E | This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration. |
| QC2 | Analyte out of acceptance range in QC spike but no reportable concentration present in sample. |
| QCR | Sample data reported for QC purposes only. |
| QM2 | The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample. |
| QM4 | Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix. |
| QM6 | Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values. |
| QM7 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| QM8 | The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery. |
| QM9 | The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits. |
| QR2 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
| QR5 | RPD out of acceptance range. |
| SOL | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -01 were used to calculate the results on a dry weight basis. |
| SOLa | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -04 were used to calculate the results on a dry weight basis. |
| SOLb | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -07 were used to calculate the results on a dry weight basis. |
| SOLc | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -10 were used to calculate the results on a dry weight basis. |
| SOLD | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -13 were used to calculate the results on a dry weight basis. |
| SOLE | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -22 were used to calculate the results on a dry weight basis. |
| SOLf | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -25 were used to calculate the results on a dry weight basis. |
| SOLg | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -28 were used to calculate the results on a dry weight basis. |
| SOLh | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -31 were used to calculate the results on a dry weight basis. |
| SOLi | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -34 were used to calculate the results on a dry weight basis. |
| SOLj | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -37 were used to calculate the results on a dry weight basis. |
| SOLk | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -40 were used to calculate the results on a dry weight basis. |
| SOLl | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -43 were used to calculate the results on a dry weight basis. |
| SOLm | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -46 were used to calculate the results on a dry weight basis. |
| SOLn | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -49 were used to calculate the results on a dry weight basis. |

Notes and Definitions

| | |
|--------|--|
| SOLo | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -52 were used to calculate the results on a dry weight basis. |
| SOLp | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -55 were used to calculate the results on a dry weight basis. |
| SOLq | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -58 were used to calculate the results on a dry weight basis. |
| SOLr | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -61 were used to calculate the results on a dry weight basis. |
| SOLs | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -64 were used to calculate the results on a dry weight basis. |
| SOLt | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -67 were used to calculate the results on a dry weight basis. |
| SOLu | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -70 were used to calculate the results on a dry weight basis. |
| SOLv | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -73 were used to calculate the results on a dry weight basis. |
| SOLw | This sample was submitted without an unpreserved sample aliquot to determine dry weight. Per client request, the solid weight results from Use result from -76 were used to calculate the results on a dry weight basis. |
| TOC 1 | This sample was analyzed in quadruplicate. The % RSD is 22.61677%. |
| TOC 1a | This sample was analyzed in quadruplicate. The % RSD is 5.71563%. |
| dry | Sample results reported on a dry weight basis |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

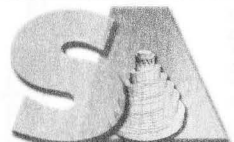
Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly LaPlante
Nicole Leja

SB 98147 84



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 8

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
 All TATs subject to laboratory approval
 Min. 24-hr notification needed for rushes
 Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME 04101
 Telephone #: 207-517-8225
 Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sabiny
PO Box 594
Chappqua, NY 10514
 P.O No.: _____ Quote/RQN: _____

Project No: 08-1421863
 Site Name: Envirite
 Location: Thomaston State: CT
 Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/9 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

G= Grab

C=Compsite

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | Analysis | Check if chlorinated |
|-----------------|----------------------|-----------------|-------------|----------|-----------|----------------|------------------|------------------|--------------|---|--------------------------|
| <u>98147-01</u> | <u>NR-DS-SED-01</u> | <u>10/14/14</u> | <u>1540</u> | <u>G</u> | <u>SO</u> | <u>3</u> | | | | <u>VOCs 8260</u> <u>As, Ba, Cd, Cr</u> <u>Cu, Fe, Mn, Na</u> <u>Ni, Pb, Zn</u> <u>TOC</u> <u>Grain Size</u> <u>Total Solids</u> | <input type="checkbox"/> |
| <u>02</u> | <u>NR-DS-SEDV-01</u> | <u>↑</u> | <u>1540</u> | <u>↑</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>03</u> | <u>NR-DS-SWV-01</u> | <u>↑</u> | <u>1540</u> | <u>↑</u> | <u>SW</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>04</u> | <u>NR-DS-SED-02</u> | <u>⊙</u> | <u>1600</u> | <u>⊙</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>05</u> | <u>NR-DS-SEDV-02</u> | <u>⊙</u> | <u>1600</u> | <u>⊙</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>06</u> | <u>NR-DS-SWV-02</u> | <u>⊙</u> | <u>1600</u> | <u>⊙</u> | <u>SW</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>07</u> | <u>NR-DS-SED-03</u> | <u>⊙</u> | <u>1615</u> | <u>⊙</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>08</u> | <u>NR-DS-SEDV-03</u> | <u>⊙</u> | <u>1615</u> | <u>⊙</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>09</u> | <u>NR-DS-SWV-03</u> | <u>⊙</u> | <u>1615</u> | <u>⊙</u> | <u>SW</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |
| <u>✓ 10</u> | <u>NR-DS-SED-04</u> | <u>10/14/14</u> | <u>1635</u> | <u>G</u> | <u>SO</u> | <u>3</u> | | | | <u>X</u> | <input type="checkbox"/> |

Soil jar for "SED"
samples corresponds to
soil in "SEDV" samples
for all samples.

Relinquished by:

Received by:

Date:

Time:

Temp °C

John Whelan

Dec

DEC
mary

10/15/14
10/15/14

3:30
1820

Observed

Correction Factor

Corrected

IR ID #

☐ EDD format:

☒ E-mail to:

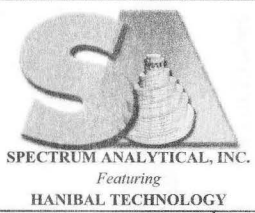
adaniel@environcorp.com

adaniel@environcorp.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB 98147 84



CHAIN OF CUSTODY RECORD

Page 42 of 8

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval
- Min. 24-hr notification needed for rushes
- Samples disposed after 60 days unless otherwise instructed.

| | | |
|--|--|---|
| Report To: <u>ENVIRON</u> <u>136 Commercial St</u> <u>Suite 402</u> <u>Portland, ME 04101</u> | Invoice To: <u>Envirite</u> <u>Kris Sabinga</u> <u>PO Box 591</u> <u>Chappaqua NY 10514</u> | Project No: <u>08-1421843</u> |
| Telephone #: <u>207-517-8225</u> | P.O. No.: _____ Quote/RQN: _____ | Site Name: <u>Envirite</u> |
| Project Mgr: <u>Derek Pelletier</u> | | Location: <u>Thomaston</u> State: <u>CT</u> |
| | | Sampler(s): <u>Anne Daniel</u> <u>John Underwood</u> |

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/g 2

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

Containers

Analysis

| G= Grab | | | | C=Compsite | | | | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr | Cu, Fe, Mn, Ni | Pb, Zn | TOC | Grain Size | Total Solids | Check if chlorinated |
|----------|---------------|----------|-------|------------|----|---|--|------|--------|----------------|------------------|------------------|--------------|-----------|-----------|----------------|----------------|--------|-----|------------|--------------|----------------------|
| Lab ID: | Sample ID: | Date: | Time: | | | | | | | | | | | | | | | | | | | |
| 98147-11 | NR-DS-SEDV-04 | 10/14/14 | 1635 | G | SO | 3 | | | | | | | | X | | | | | | | | |
| 12 | NR-DS-SWV-04 | ↑ | 1635 | ↑ | SW | 3 | | | | | | | | | X | | | | | | | |
| 13 | NR-DS-SED-05 | | 1700 | | SO | 3 | | | | | | | | | | X | X | X | X | X | X | |
| 14 | NR-DS-SEDV-05 | | 1700 | | SO | 3 | | | | | | | | X | | | | | | | | |
| 15 | NR-DS-SWV-05 | | 1700 | | SW | 3 | | | | | | | | | X | | | | | | | |
| 16 | DUP-4-SOIL | | --- | | SO | 3 | | | | | | | | X | X | X | X | X | X | X | X | |
| 17 | DUP-5-SOIL | | --- | | SO | 3 | | | | | | | | X | X | X | X | X | X | X | X | |
| 13/14 | MS/MSD-3-SOIL | | --- | | SO | 3 | | | | | | | | X | X | X | X | X | X | X | X | |
| 18 | DUP-4-WATER | | --- | | SW | 3 | | | | | | | | | X | | | | | | | |
| 19 | DUP-5-WATER | 10/14/14 | --- | G | SW | 3 | | | | | | | | | X | | | | | | | |

Soil jar for "SED"
samples, corresponds
with soil in "SEDV"
samples. For all samples.
Parent sample NR-DS-05
(SED, SEDV, SWV) for
MS/MSD-3-soil

| | | | | | |
|--|-------------------------|-----------------------|-------------------|---------------------|--|
| Relinquished by: <u>John Wh</u> | Received by: <u>DEC</u> | Date: <u>10/15/14</u> | Time: <u>3:30</u> | Temp °C: <u>1.2</u> | <input type="checkbox"/> EDD format: <input checked="" type="checkbox"/> E-mail to: <u>adaniel@enviroincorp.com</u> |
| | <u>mary</u> | <u>10-15-14</u> | <u>1820</u> | <u>0</u> | |
| | | | | <u>1.2</u> | |
| Condition upon receipt: Custody Seals: <input type="checkbox"/> Present <input type="checkbox"/> Intact <input type="checkbox"/> Broken <input type="checkbox"/> Ambient <input checked="" type="checkbox"/> Iced <input type="checkbox"/> Refrigerated <input type="checkbox"/> DI VOA Frozen <input type="checkbox"/> Soil Jar Frozen | | | | | |



CHAIN OF CUSTODY RECORD

Page 3 of 8

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sabinga
PO Box 591
Chappagua, NY 10514
P.O. No.: _____ Quote/RQN: _____

Project No: 08-14218G3
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/a 2 _____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= Trip Blank X2= _____ X3= _____

G= Grab

C=Compsite

Containers

Analysis

| # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr | Cu, Fe, Mn, Na | Ni, Pb, Zn | TOC | Grain Size | Total Solids |
|----------------|------------------|------------------|--------------|-----------|-----------|----------------|----------------|------------|-----|------------|--------------|
| | | | | | X | | | | | | |
| | | | | X | X | | | | | | |
| | | | | X | X | | | | | | |
| | | 3 | | | | X | X | X | X | X | X |
| | | 3 | | X | | | | | | | |
| | | 3 | | | X | | | | | | |
| | | 3 | | | | X | X | X | X | X | X |
| | | 3 | | X | | | | | | | |
| | | 3 | | | X | | | | | | |
| | | 3 | | | | X | X | X | X | X | X |

Check if chlorinated

QA/QC Reporting Notes:

* additional charges may apply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☒ Yes ☐ No

☐ Standard ☐ No QC

☒ DQA*

☐ ASP A* ☐ ASP B*

☐ NJ Reduced* ☐ NJ Full*

☒ Tier II* ☐ Tier IV*

☐ Other: _____
State-specific reporting standards:

☐ Parent sample is NR-DS-05
☐ (SED, SEDV, SW) for
☐ MS/MSD-3-WATER
☐ Soil jar for "SED" is
☐ the same soil as "SEDV"
☐ samples for % solids
☐ analysis. For all samples
☐ Trip Blanks separated
☐ to Water TBs and
Soil TBs. chain notified 10/16

Relinquished by:

Received by:

Date:

Time:

Temp °C

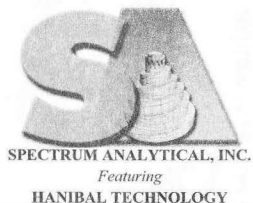
☐ EDD format:

☒ E-mail to:

adaniel@environcorp.com An
10/16

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 4 of 8

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sabinga
Po Box 591
Chappagua, NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: 08-1421843
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/a 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

| G= Grab | | | | C=Compsite | | | | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr | Cu, Fe, Mn, Na | Ni, Pb, Zn | TOC | Grain Size | Total Solids | Check if chlorinated |
|----------|---------------|----------|-------|------------|----|---|---|------|--------|----------------|------------------|------------------|--------------|-----------|-----------|----------------|----------------|------------|-----|------------|--------------|----------------------|
| Lab ID: | Sample ID: | Date: | Time: | | | | | | | | | | | | | | | | | | | |
| 98147-29 | BB-US-SEDV-03 | 10/15/14 | 825 | G | SO | 3 | | | | | | | | X | | | | | | | | |
| 30 | BB-US-SWV-03 | | 825 | ↑ | SW | 3 | | | | | | | | X | | | | | | | | |
| 31 | BB-US-SED-04 | | 840 | | SO | | 3 | | | | | | | | | X | X | X | X | X | X | |
| 32 | BB-US-SEDV-04 | | 840 | | SO | 3 | | | | | | | | X | | | | | | | | |
| 33 | BB-US-SWV-04 | | 840 | q | SW | 3 | | | | | | | | X | X | X | X | X | X | X | X | |
| 34 | BB-US-SED-05 | | 850 | | SO | | 3 | | | | | | | X | | X | X | X | X | X | X | |
| 35 | BB-US-SEDV-05 | | 850 | | SO | 3 | | | | | | | | X | X | | | | | | | |
| 36 | BB-US-SWV-05 | | 850 | | SW | 3 | | | | | | | | X | X | X | X | X | X | X | X | |
| 37 | BB-US-SED-06 | | 905 | V | SO | | 3 | | | | | | | X | | X | X | X | X | X | X | |
| 38 | BB-US-SEDV-06 | 10/15/14 | 905 | G | SO | 3 | | | | | | | | X | X | | | | | | | |

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☒ Yes ☐ No

☐ Standard ☐ No QC

☒ DQA*

☐ ASP A*

☐ ASP B*

☐ NJ Reduced*

☐ NJ Full*

☒ Tier II*

☐ Tier IV*

☐ Other: _____

State-specific reporting standards:

☐ Soil jar for "SED"
☐ Samples corresponds to
soil in "SEDV" samples
for all sample.

Relinquished by:

Received by:

Date:

Time:

Temp °C

g.hwh
DEC

DEC
mary

10/15/14
10/15/14

3:30
1820

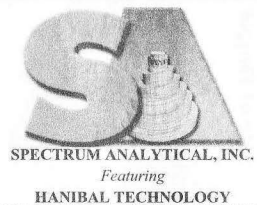
Observed
1.2
Correction Factor
0
Corrected
1.2
IR ID #
02

☐ EDD format:

☒ E-mail to: adaniel@environcorp.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 5 of 8

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME 04101
Telephone #: 207-577-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sabinga
PO Box 591
Chappagua NY 10514
P.O No.: _____ Quote/RQN: _____

Project No: 08-1421863
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/a 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

G= Grab

C=Compsite

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | Analysis | Check if chlorinated |
|----------|---------------|----------|-------|------|--------|----------------|------------------|------------------|--------------|----------------|----------------------|
| 98147-39 | BB-US-SWV-06 | 10/15/14 | 905 | G | SW | 3 | | | | VOCS 8260 | |
| 40 | BB-US-SED-07 | | 920 | | SO | 3 | | | | VOCS 8260 | |
| 41 | BB-US-SEDV-07 | | 920 | | SO | 3 | | | | As, Ba, Cd, Cr | |
| 42 | BB-US-SWV-07 | | 920 | | SW | 3 | | | | Cu, Fe, Mn, Na | |
| 43 | BB-US-SED-08 | | 930 | | SO | 3 | | | | Ni, Pb, Zn | |
| 44 | BB-US-SEDV-08 | | 930 | | SO | 3 | | | | TDC | |
| 45 | BB-US-SWV-08 | | 930 | | SW | 3 | | | | Grain Size | |
| 46 | NR-DS-SED-06 | | 1025 | | SO | 3 | | | | Total Solids | |
| 47 | NR-DS-SEDV-06 | | 1025 | | SO | 3 | | | | | |
| 48 | NR-DS-SWV-06 | 10/15/14 | 1025 | G | SW | 3 | | | | | |

MA DEP MCP CAM Report? ☐ Yes ☐ No

CT DPH RCP Report? ☒ Yes ☐ No

☐ Standard ☐ No QC

☒ DQA*

☐ ASP A* ☐ ASP B*

☐ NJ Reduced* ☐ NJ Full*

☒ Tier II* ☐ Tier IV*

☐ Other: _____

State-specific reporting standards:

Soil jar for 'SED'

samples corresponds

with soil in 'SEDV'

samples for % solids

analysis. For all samples

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

☒ E-mail to:

adaniel@environcorp.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 6 of 8

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St.
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Kris Sabinga
PO Box 591
Chappagua NY 10514
P.O. No.: _____ Quote/RQN: _____

Project No: 08-1421863
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): Anne Daniel
John Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/19 Z _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

G=Grab

C=Compsite

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | Analysis | Check if chlorinated |
|----------|---------------|----------|-------|------|--------|----------------|------------------|------------------|--------------|----------------|----------------------|
| 98147-49 | NR-DS-SED-07 | 10/15/14 | 1035 | G | SO | 3 | | | | VOCS 8260 | |
| 50 | NR-DS-SEDV-07 | ↑ | 1035 | ↑ | SO | 3 | | | | VOCS 8260 | |
| 51 | NR-DS-SWV-07 | ↑ | 1035 | ↑ | SW | 3 | | | | As, Ba, Cd, Cr | |
| 52 | NR-DS-SED-08 | ↑ | 1045 | ↑ | SO | 3 | | | | Cu, Fe, Mn, Na | |
| 53 | NR-DS-SEDV-08 | ↑ | 1045 | ↑ | SO | 3 | | | | Ni, Pb, Zn | |
| 54 | NR-DS-SWV-08 | ↑ | 1045 | ↑ | SW | 3 | | | | TOC | |
| 55 | NR-US-SED-01 | ↑ | 1125 | ↑ | SO | 3 | | | | Grain Size | |
| 56 | NR-US-SEDV-01 | ↑ | 1125 | ↑ | SO | 3 | | | | Total Solids | |
| 57 | NR-US-SWV-01 | ↑ | 1125 | ↑ | SW | 3 | | | | | |
| 58 | NR-US-SED-02 | 10/15/14 | 1135 | G | SO | 3 | | | | | |

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD format:

☒ E-mail to: adaniele@environcorp.com.

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 7 of 8

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
136 Commercial St
Suite 402
Portland, ME
Telephone #: 207-517-9225
Project Mgr: Derek Pelletier

Invoice To: Envirite
Cris Sabinga
PO Box 591
Chappagua, NY 10514
P.O. No.: _____ Quote/RQN: _____

Project No: ENVIRITE 08-1421843
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): A. Daniel
J. Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/9 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

G= Grab

C=Compsite

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | Analysis | Check if chlorinated |
|----------|---------------|----------|-------|------|--------|----------------|------------------|------------------|--------------|--|----------------------|
| 98147-59 | NR-US-SEDV-02 | 10/15/14 | 1135 | G | SO | 3 | | | | VOCs 8260 | |
| 60 | NR-US-SWV-02 | | 1135 | | SW | 3 | | | | VOCs 8260 | |
| 61 | NR-US-SED-03 | | 1150 | | SO | | 3 | | | As, Ba, Cd, Cr, Cu, Fe, Mn, Na, Ni, Pb, Zn | |
| 62 | NR-US-SEDV-03 | | 1150 | | SO | 3 | | | | TOC | |
| 63 | NR-US-SWV-03 | | 1150 | | SW | 3 | | | | Grain Size | |
| 64 | NR-US-SED-04 | | 1250 | | SO | | 3 | | | Total Solids | |
| 65 | NR-US-SEDV-04 | | 1250 | | SO | 3 | | | | | |
| 66 | NR-US-SWV-04 | | 1250 | | SW | 3 | | | | | |
| 67 | NR-US-SED-05 | | 1305 | | SO | | 3 | | | | |
| 68 | NR-US-SEDV-05 | 10/15/14 | 1305 | G | SO | 3 | | | | | |

Relinquished by:

Received by:

Date:

Time:

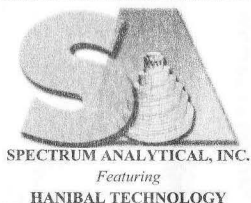
Temp °C

☐ EDD format:

☒ E-mail to: adanield@environcorp.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 8 of 8

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: ENVIRON
B6 Commercial
Suite 402
Portland, ME 04101
Telephone #: 207-517-8225
Project Mgr: Derek Pulley

Invoice To: Envirite
Kris Sabinga
PO Box 591
Chappaqua, NY 10514
P.O. No.: _____ Quote/RQN: _____

Project No: 08-1421863
Site Name: Envirite
Location: Thomaston State: CT
Sampler(s): A. Daniel
J. Underwood

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

7/9 2 _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---------------|----------|-------|-----------------------------------|--------------------------------|--|---------------------------------|------|--------|----------------|------------------|------------------|--------------|-----------|-----------|----------------|----------------|------------|-----|------------|--------------|----------------------|--|
| G= Grab | | | | C=Compsite | | | | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | VOCs 8260 | VOCs 8260 | As, Ba, Cd, Cr | Cu, Fe, Mn, Ni | Ni, Pb, Zn | TOC | Grain Size | Total Solids | Check if chlorinated | CT DPH RCP Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Lab ID: | Sample ID: | Date: | Time: | Standard <input type="checkbox"/> | No QC <input type="checkbox"/> | DQA* <input checked="" type="checkbox"/> | ASP A* <input type="checkbox"/> | | | | | | | | | | | | | | | | |
| 0147-69 | NR-US-SWV-05 | 10/14/15 | 1305 | G | SW | 3 | | | | | | | | X | | | | | | | | | Soil in "SED" samples |
| 70 | NR-US-SED-06 | ↑ | 1315 | ↑ | SO | | 3 | | | | | | | | X | X | X | X | X | X | | | corresponds to soil |
| 71 | NR-US-SEDV-06 | ↑ | 1315 | | SO | 3 | | | | | | | X | | | | | | | | | | in "SEDV" samples. |
| 72 | NR-US-SWV-06 | ↑ | 1315 | | SW | 3 | | | | | | | | ↑ | | | | | | | | | For all samples |
| 73 | NR-US-SED-07 | ⓐ | 1330 | ⓐ | SO | | 3 | | | | | | | | X | X | X | X | X | X | | | |
| 74 | NR-US-SEDV-07 | ⓐ | 1330 | | SO | 3 | | | | | | | X | | | | | | | | | | |
| 75 | NR-US-SWV-07 | ↑ | 1330 | | SW | 3 | | | | | | | | X | | | | | | | | | |
| 76 | NR-US-SED-08 | ↑ | 1340 | | SO | | 3 | | | | | | | | X | X | X | X | X | X | | | |
| 77 | NR-US-SEDV-08 | ↑ | 1340 | | SO | 3 | | | | | | | X | | | | | | | | | | |
| 78 | NR-US-SWV-08 | 10/14/15 | 1340 | G | SW | 3 | | | | | | | | X | | | | | | | | | |

| | | | | | | |
|--------------------------------------|-----------------------------|-----------------------|-------------------|---|--------------------------------------|---|
| Relinquished by: <u>G. Underwood</u> | Received by: <u>DEC mpy</u> | Date: <u>10/15/14</u> | Time: <u>3:30</u> | Temp °C: <u>1.2</u> | <input type="checkbox"/> EDD format: | E-mail to: <u>adaniel@environcorp.com</u> |
| | | | | Observed | <input checked="" type="checkbox"/> | |
| | | | | Correction Factor | <u>0</u> | |
| | | | | Corrected | <u>1.2</u> | |
| | | | | IR ID # | <u>02</u> | |
| | | | | Condition upon receipt: | | Custody Seals: <input type="checkbox"/> Present <input type="checkbox"/> Intact <input type="checkbox"/> Broken |
| | | | | <input type="checkbox"/> Ambient <input checked="" type="checkbox"/> Iced | | <input type="checkbox"/> Refrigerated <input type="checkbox"/> DI VOA Frozen <input type="checkbox"/> Soil Jar Frozen |

Appendix E

Electronic File (Excel) – Analytical Database

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 62.8 | | % | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 0.7 | | % | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 6 | | % | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 0.2 | | % | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 30.9 | | % | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 45.6 | | % | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.4 | | % | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 15.5 | | % | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.6 | | % | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/23 | Wet | A412B | TOC | TOC | Total Organic Carbon | 1700 | | mg/kg | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 8.56 | | mg/kg | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 130 | | mg/kg | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 11.6 | | mg/kg | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2.08 | mg/kg | No | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.692 | mg/kg | No | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 11.7 | | mg/kg | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 11.2 | | mg/kg | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 45.1 | | mg/kg | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 10500 | | mg/kg | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 80.3 | | mg/kg | Yes | | N |
| BB-US-SED-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 35 | | mg/kg | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 68.9 | | % | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 11.2 | | % | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 14.8 | | % | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 32.2 | | % | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 23.9 | | % | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 13.8 | | % | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 1.9 | | % | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 2 | | % | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.1 | | % | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/23 | Wet | A412B | TOC | TOC | Total Organic Carbon | 1910 | | mg/kg | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 3.99 | | mg/kg | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 217 | | mg/kg | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 8.1 | | mg/kg | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.91 | mg/kg | No | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.637 | mg/kg | No | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 8.94 | | mg/kg | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 7.15 | | mg/kg | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 23.6 | | mg/kg | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 7150 | | mg/kg | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 47.4 | | mg/kg | Yes | | N |
| BB-US-SED-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 17.7 | | mg/kg | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 67.8 | | % | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 14.8 | | % | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 16.2 | | % | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 24 | | % | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 24.5 | | % | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 15.2 | | % | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 4.21 | | % | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 1.03 | | % | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.0383 | | % | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/23 | Wet | A412B | TOC | TOC | Total Organic Carbon | 473 | | mg/kg | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 4.9 | | mg/kg | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 178 | | mg/kg | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 9.08 | | mg/kg | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2.18 | mg/kg | No | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.726 | mg/kg | No | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 8.17 | | mg/kg | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 8.77 | | mg/kg | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 25.2 | | mg/kg | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 8200 | | mg/kg | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 88.1 | | mg/kg | Yes | | N |
| BB-US-SED-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 21.4 | | mg/kg | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 70.1 | | % | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 6.16 | | % | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 7.05 | | % | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 32 | | % | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 28.8 | | % | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 19.9 | | % | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 4.41 | | % | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 1.6 | | % | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.178 | | % | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 929 | | mg/kg | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 5.55 | | mg/kg | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 330 | | mg/kg | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 8.26 | | mg/kg | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.94 | mg/kg | No | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.646 | mg/kg | No | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 7.25 | | mg/kg | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 10.5 | | mg/kg | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 29.9 | | mg/kg | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 10500 | | mg/kg | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 81.6 | | mg/kg | Yes | | N |
| BB-US-SED-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 25.7 | | mg/kg | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 71.3 | | % | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 6.98 | | % | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 11.7 | | % | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 11.5 | | % | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 27.1 | | % | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 25.8 | | % | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 3.91 | | % | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 11.8 | | % | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 1.37 | | % | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAH N | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 3370 | | mg/kg | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 8.64 | | mg/kg | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 211 | | mg/kg | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 7.7 | | mg/kg | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.91 | mg/kg | No | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.636 | mg/kg | No | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 10.4 | | mg/kg | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 19.8 | | mg/kg | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 54.9 | | mg/kg | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 14500 | | mg/kg | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 150 | | mg/kg | Yes | | N |
| BB-US-SED-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 30.1 | | mg/kg | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 74.4 | | % | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 3.23 | | % | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 27.2 | | % | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 1.9 | | % | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 48.8 | | % | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 15.7 | | % | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 2.39 | | % | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 0.84 | | % | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | | | % | No | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAH N | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 614 | | mg/kg | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 4.11 | | mg/kg | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 419 | | mg/kg | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 7.65 | | mg/kg | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.97 | mg/kg | No | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.656 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 5.03 | | mg/kg | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 6.82 | | mg/kg | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 27.6 | | mg/kg | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 6820 | | mg/kg | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 66.1 | | mg/kg | Yes | | N |
| BB-US-SED-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 24.2 | | mg/kg | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 75.9 | | % | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 22 | | % | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 19.5 | | % | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 35.7 | | % | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 12.8 | | % | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 6.52 | | % | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 1.39 | | % | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 2.03 | | % | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.107 | | % | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 1520 | | mg/kg | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 8530 | | mg/kg | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 4.06 | | mg/kg | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 270 | | mg/kg | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 10.7 | | mg/kg | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 43.5 | | mg/kg | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.68 | mg/kg | No | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 23.5 | | mg/kg | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.559 | mg/kg | No | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 7.54 | | mg/kg | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 9.94 | | mg/kg | Yes | | N |
| BB-US-SED-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 22.5 | | mg/kg | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 80.9 | | % | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 38.1 | | % | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 36 | | % | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 17.2 | | % | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 8.14 | | % | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 0.361 | | % | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.0984 | | % | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 0.23 | | % | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | | | % | No | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 1020 | | mg/kg | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 9460 | | mg/kg | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 4.63 | | mg/kg | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 290 | | mg/kg | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 10.3 | | mg/kg | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 94.6 | | mg/kg | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.69 | mg/kg | No | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 26.1 | | mg/kg | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.564 | mg/kg | No | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 9.22 | | mg/kg | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 6.99 | | mg/kg | Yes | | N |
| BB-US-SED-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 44 | | mg/kg | Yes | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 62.8 | | % | Yes | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0058 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0576 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0115 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0288 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.115 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0115 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0576 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.3 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0576 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0058 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0115 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0115 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0115 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0115 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0115 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0576 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0115 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0576 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0058 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0115 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-01 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0058 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 68.9 | | % | Yes | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0495 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0099 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0248 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.099 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.005 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0099 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0495 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.98 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0495 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0099 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0099 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0099 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0099 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0099 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.005 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0495 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0099 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0495 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0099 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-02 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.005 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 67.8 | | % | Yes | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0061 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0614 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0123 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0307 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.123 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0123 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0614 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0061 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.46 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0614 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0123 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0123 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0123 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0123 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0123 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0614 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0123 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0614 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0061 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0123 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-03 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0061 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 70.1 | | % | Yes | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0554 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0055 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0111 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0277 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.111 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0111 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0554 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.21 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0554 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0111 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0111 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0055 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0111 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0111 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0111 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0554 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0111 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0554 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0111 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0055 | mg/kg | No | | N |
| BB-US-SEDV-04 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0055 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 71.3 | | % | Yes | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0527 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0264 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.105 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0053 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0527 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.11 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0527 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0527 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0053 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0527 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-05 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0053 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 74.4 | | % | Yes | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0052 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0525 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0262 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.105 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0525 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.1 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0525 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0052 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0525 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0525 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0052 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0105 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-06 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0052 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 75.9 | | % | Yes | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0369 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0074 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0185 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0739 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0037 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0074 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0369 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.48 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0369 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0074 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0074 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0074 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0074 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0074 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0037 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0369 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0074 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0369 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0074 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-07 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0037 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 80.9 | | % | Yes | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0042 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0084 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.021 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.084 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0084 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0042 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.68 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0084 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0084 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0084 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0084 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0084 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0084 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0042 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|-------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0084 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0042 | mg/kg | No | | N |
| BB-US-SEDV-08 | Branch Brook - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0042 | mg/kg | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-01 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-02 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-03 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-04 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-05 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-06 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-07 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|-------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-US-SWV-08 | Branch Brook - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 78.2 | | % | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 7.8 | | % | Yes | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|------------------|------------|-------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 17.6 | | % | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 23.8 | | % | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 26.5 | | % | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 16.9 | | % | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 1.7 | | % | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 5.5 | | % | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.2 | | % | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/23 | Wet | A412B | TOC | TOC | Total Organic Carbon | 597 | | mg/kg | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 10.8 | | mg/kg | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 100 | | mg/kg | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 7.13 | | mg/kg | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.72 | mg/kg | No | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.573 | mg/kg | No | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 9.34 | | mg/kg | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 15.8 | | mg/kg | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 46.3 | | mg/kg | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 4880 | | mg/kg | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 54.3 | | mg/kg | Yes | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 18 | | mg/kg | Yes | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0045 | mg/kg | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0454 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0091 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0227 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0907 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0091 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0454 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.81 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0454 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0045 | mg/kg | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0091 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0091 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0091 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0091 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0091 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0454 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0091 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0454 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0045 | mg/kg | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0091 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0045 | mg/kg | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 82.8 | | % | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 14.4 | | % | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 31.5 | | % | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 14.5 | | % | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 24.6 | | % | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 10.6 | | % | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.9 | | % | Yes | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 3.3 | | % | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.2 | | % | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/23 | Wet | A412B | TOC | TOC | Total Organic Carbon | 334 | | mg/kg | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 6.42 | | mg/kg | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 280 | | mg/kg | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 7.77 | | mg/kg | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.57 | mg/kg | No | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | 0.706 | | mg/kg | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 8.27 | | mg/kg | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 17.5 | | mg/kg | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 71.7 | | mg/kg | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 7700 | | mg/kg | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 62.9 | | mg/kg | Yes | | FD |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 20.7 | | mg/kg | Yes | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0305 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.003 | mg/kg | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0061 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0152 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.061 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0061 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0305 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | 2.36 | | mg/kg | Yes | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0305 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0061 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0061 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.003 | mg/kg | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0061 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0061 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0061 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0305 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0061 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0305 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0061 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.003 | mg/kg | No | | FD |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.003 | mg/kg | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.003 | mg/kg | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | FD |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | FD |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 77.4 | | % | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 9.6 | | % | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 23.1 | | % | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 14.2 | | % | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 27.9 | | % | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 17.3 | | % | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.4 | | % | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 7.2 | | % | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.3 | | % | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/23 | Wet | A412B | TOC | TOC | Total Organic Carbon | 1120 | | mg/kg | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 5.68 | | mg/kg | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 97.3 | | mg/kg | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 5.97 | | mg/kg | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.72 | mg/kg | No | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.572 | mg/kg | No | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 8.46 | | mg/kg | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 13.9 | | mg/kg | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 47.1 | | mg/kg | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 5030 | | mg/kg | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 68.5 | | mg/kg | Yes | | N |
| NR-DS-SED-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 16.4 | | mg/kg | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 71 | | % | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 22.2 | | % | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 27.6 | | % | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 27.1 | | % | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 17.2 | | % | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 4.3 | | % | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.3 | | % | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 1.1 | | % | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.2 | | % | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/23 | Wet | A412B | TOC | TOC | Total Organic Carbon | 550 | | mg/kg | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 6.14 | | mg/kg | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 465 | | mg/kg | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 11.5 | | mg/kg | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.88 | mg/kg | No | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.626 | mg/kg | No | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 68.6 | | mg/kg | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 18.3 | | mg/kg | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 54 | | mg/kg | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 14500 | | mg/kg | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 56.5 | | mg/kg | Yes | | N |
| NR-DS-SED-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 23 | | mg/kg | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 82.1 | | % | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 17 | | % | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 35.1 | | % | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 14.3 | | % | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 22.9 | | % | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 7.8 | | % | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.1 | | % | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 2.6 | | % | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.3 | | % | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/23 | Wet | A412B | TOC | TOC | Total Organic Carbon | 488 | | mg/kg | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 6.61 | | mg/kg | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 250 | | mg/kg | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 8.72 | | mg/kg | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.61 | mg/kg | No | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.536 | mg/kg | No | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 9.3 | | mg/kg | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 17.3 | | mg/kg | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 50.9 | | mg/kg | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 7920 | | mg/kg | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 47 | | mg/kg | Yes | | N |
| NR-DS-SED-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 17 | | mg/kg | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 71.8 | | % | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 2.1 | | % | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 31.2 | | % | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 5.2 | | % | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 46.1 | | % | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 12.3 | | % | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 2.4 | | % | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 0.5 | | % | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.2 | | % | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/23 | Wet | A412B | TOC | TOC | Total Organic Carbon | 1030 | | mg/kg | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 5.16 | | mg/kg | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 171 | | mg/kg | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 5.69 | | mg/kg | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.81 | mg/kg | No | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.604 | mg/kg | No | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 6.04 | | mg/kg | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 11.5 | | mg/kg | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 34.8 | | mg/kg | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 5120 | | mg/kg | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 55.4 | | mg/kg | Yes | | N |
| NR-DS-SED-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 13.3 | | mg/kg | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 82.4 | | % | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 43 | | % | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 29.9 | | % | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 17.2 | | % | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 8.1 | | % | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 1.4 | | % | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.3 | | % | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 0.1 | | % | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/22 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0 | | % | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 410 | | mg/kg | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 8.5 | | mg/kg | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 201 | | mg/kg | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 9.42 | | mg/kg | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.59 | mg/kg | No | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.531 | mg/kg | No | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 7.59 | | mg/kg | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 24.7 | | mg/kg | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/25 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 54.8 | | mg/kg | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 9070 | | mg/kg | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 74.9 | | mg/kg | Yes | | N |
| NR-DS-SED-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 24.7 | | mg/kg | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 73.4 | | % | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 5.03 | | % | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 20.2 | | % | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 1.33 | | % | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 26.9 | | % | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 21.7 | | % | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 2.85 | | % | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 18.8 | | % | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 3.13 | | % | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 8230 | | mg/kg | Yes | J | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 8300 | | mg/kg | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 10.2 | | mg/kg | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 144 | | mg/kg | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 7.43 | | mg/kg | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 106 | | mg/kg | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2.04 | mg/kg | No | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 30.1 | | mg/kg | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.679 | mg/kg | No | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 10.4 | | mg/kg | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 19.9 | | mg/kg | Yes | | N |
| NR-DS-SED-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 56.1 | | mg/kg | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 75.6 | | % | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 2.75 | | % | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 14.9 | | % | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 0.25 | | % | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 33.8 | | % | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 29.3 | | % | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0 | | % | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 18.2 | | % | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.9 | | % | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAH N | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 296 | | mg/kg | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 6430 | | mg/kg | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 8.68 | | mg/kg | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 100 | | mg/kg | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 7.01 | | mg/kg | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 63.7 | | mg/kg | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.78 | mg/kg | No | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 22.9 | | mg/kg | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.593 | mg/kg | No | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 10.2 | | mg/kg | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 40.6 | | mg/kg | Yes | | N |
| NR-DS-SED-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 55.7 | | mg/kg | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 70.2 | | % | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 0.53 | | % | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 3.52 | | % | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | | | % | No | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 7.81 | | % | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 21.8 | | % | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 3.86 | | % | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 60.3 | | % | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 2.31 | | % | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAH N | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 2880 | | mg/kg | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 9560 | | mg/kg | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 12.7 | | mg/kg | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 143 | | mg/kg | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 10.6 | | mg/kg | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 118 | | mg/kg | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2.02 | mg/kg | No | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 38.6 | | mg/kg | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.672 | mg/kg | No | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 14.8 | | mg/kg | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 34.8 | | mg/kg | Yes | | N |
| NR-DS-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 89.2 | | mg/kg | Yes | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 77.4 | | % | Yes | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0391 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0078 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0195 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0781 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0039 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0078 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0391 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.56 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0391 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0078 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0078 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0078 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0078 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0078 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0039 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0391 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0078 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0391 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0078 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-01 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0039 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 71 | | % | Yes | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0051 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0515 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0103 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0257 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.103 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0103 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0515 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0051 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.06 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0515 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0103 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0103 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0103 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0103 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0103 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0515 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0103 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0515 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0051 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0103 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-02 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0051 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 82.1 | | % | Yes | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0364 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0036 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0073 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0182 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0728 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0073 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0364 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.46 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0364 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0073 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0073 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0036 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0073 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0073 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0073 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0364 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0073 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0364 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0073 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0036 | mg/kg | No | | N |
| NR-DS-SEDV-03 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0036 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 71.8 | | % | Yes | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0481 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0241 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0962 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0048 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0481 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.92 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0481 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0481 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0048 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0481 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-04 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 82.4 | | % | Yes | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0033 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0328 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0066 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0164 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0657 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0066 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0328 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.31 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0328 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0033 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0066 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0066 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0066 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0066 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0066 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0328 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0066 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0328 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0033 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0066 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-05 | Naugatuck River - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/20 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0033 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 73.4 | | % | Yes | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0482 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0241 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0963 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0048 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0482 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.93 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0482 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0048 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0482 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0482 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0096 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-06 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0048 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 75.6 | | % | Yes | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0041 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0082 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0205 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.082 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0082 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0041 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.64 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0082 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0082 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0082 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0082 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0082 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0082 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0041 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|------------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0082 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-07 | Naugatuck River - Downstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0041 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 70.2 | | % | Yes | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0046 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0092 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.023 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0921 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0092 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.84 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0092 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0092 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0046 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0092 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0092 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0092 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0092 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0092 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0046 | mg/kg | No | | N |
| NR-DS-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0046 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-01 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-02 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-03 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-04 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-05 | Naugatuck River - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/18 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-06 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|------------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-07 | Naugatuck River - Downstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-DS-SWV-08 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 65.1 | | % | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 0.28 | | % | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 0.28 | | % | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 29.2 | | % | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 1.73 | | % | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 13.2 | | % | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | | | % | No | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 50.6 | | % | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/23 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 4.81 | | % | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 6960 | | mg/kg | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 10500 | | mg/kg | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 18.1 | | mg/kg | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 208 | | mg/kg | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 12.9 | | mg/kg | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 129 | | mg/kg | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2.04 | mg/kg | No | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 47.6 | | mg/kg | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.679 | mg/kg | No | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 19.2 | | mg/kg | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 53.3 | | mg/kg | Yes | | N |
| NR-US-SED-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 135 | | mg/kg | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 69.2 | | % | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 1.1 | | % | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 3.7 | | % | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 0.5 | | % | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 8 | | % | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 40.4 | | % | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 12.5 | | % | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 32.5 | | % | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 1.3 | | % | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 3070 | | mg/kg | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 6380 | | mg/kg | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 9.16 | | mg/kg | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 140 | | mg/kg | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 6.11 | | mg/kg | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 73.5 | | mg/kg | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2.01 | mg/kg | No | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 23.5 | | mg/kg | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.67 | mg/kg | No | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 11.1 | | mg/kg | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 22.4 | | mg/kg | Yes | | N |
| NR-US-SED-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 51.1 | | mg/kg | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 75.6 | | % | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 0.1 | | % | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 1 | | % | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 0.9 | | % | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 21.3 | | % | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 51 | | % | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.2 | | % | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 24 | | % | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 1.4 | | % | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 378 | | mg/kg | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 5860 | | mg/kg | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 7.8 | | mg/kg | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 85.1 | | mg/kg | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 6.53 | | mg/kg | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 63.4 | | mg/kg | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.77 | mg/kg | No | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 19.9 | | mg/kg | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.591 | mg/kg | No | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 14 | | mg/kg | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 16.5 | | mg/kg | Yes | | N |
| NR-US-SED-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 55.2 | | mg/kg | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 70.4 | | % | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 0.3 | | % | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 0.4 | | % | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 0.2 | | % | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 8.1 | | % | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 45.7 | | % | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.9 | | % | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 43 | | % | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 1.4 | | % | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 1960 | | mg/kg | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 6620 | | mg/kg | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 7.9 | | mg/kg | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 81.7 | | mg/kg | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 7.23 | | mg/kg | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 82.9 | | mg/kg | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.89 | mg/kg | No | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 24.4 | | mg/kg | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.629 | mg/kg | No | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 9.97 | | mg/kg | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 19.9 | | mg/kg | Yes | | N |
| NR-US-SED-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 54.2 | | mg/kg | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 71.2 | | % | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 0.1 | | % | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 0.1 | | % | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 0.1 | | % | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 2.6 | | % | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 33.2 | | % | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 3.2 | | % | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 58.3 | | % | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 2.4 | | % | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 2620 | | mg/kg | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 7040 | | mg/kg | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 14.1 | | mg/kg | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 112 | | mg/kg | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 7.56 | | mg/kg | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 83.4 | | mg/kg | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.99 | mg/kg | No | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 27.4 | | mg/kg | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.663 | mg/kg | No | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 13.2 | | mg/kg | Yes | | N |
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 20.8 | | mg/kg | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SED-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 60.7 | | mg/kg | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 71.8 | | % | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 5.2 | | % | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 23.5 | | % | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 0 | | % | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 23.7 | | % | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 24.1 | | % | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.1 | | % | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 20.1 | | % | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 3.2 | | % | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 5280 | | mg/kg | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 7080 | | mg/kg | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 14.5 | | mg/kg | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 236 | | mg/kg | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 8.68 | | mg/kg | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 73.7 | | mg/kg | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2.01 | mg/kg | No | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 27 | | mg/kg | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.67 | mg/kg | No | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 11.3 | | mg/kg | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 19.8 | | mg/kg | Yes | | N |
| NR-US-SED-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 61.7 | | mg/kg | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 76.2 | | % | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 7.1 | | % | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 48.5 | | % | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 1.1 | | % | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 29.5 | | % | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 8.6 | | % | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.2 | | % | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 4.5 | | % | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.6 | | % | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 2870 | | mg/kg | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 7210 | | mg/kg | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 12.5 | | mg/kg | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 113 | | mg/kg | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 6.08 | | mg/kg | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 88.8 | | mg/kg | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.76 | mg/kg | No | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 19.3 | | mg/kg | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.586 | mg/kg | No | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 9.3 | | mg/kg | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 16.9 | | mg/kg | Yes | | N |
| NR-US-SED-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 41.6 | | mg/kg | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 77.2 | | % | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 9.2 | | % | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 45 | | % | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 0.6 | | % | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 36.9 | | % | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 6.7 | | % | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.7 | | % | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 0.9 | | % | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | D422 | 2014/10/24 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.1 | | % | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/24 | Wet | A412B | TOC | TOC | Total Organic Carbon | 260 | | mg/kg | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 8080 | | mg/kg | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 6.06 | | mg/kg | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 219 | | mg/kg | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 8.32 | | mg/kg | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 55.3 | | mg/kg | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.8 | mg/kg | No | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 18.6 | | mg/kg | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.599 | mg/kg | No | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 10.1 | | mg/kg | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 20.8 | | mg/kg | Yes | | N |
| NR-US-SED-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 47.6 | | mg/kg | Yes | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 65.1 | | % | Yes | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0743 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0149 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0371 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.149 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0149 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0743 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.97 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0743 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0149 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0149 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0149 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0149 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0149 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0074 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0743 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0149 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0743 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0149 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-01 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0074 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 69.2 | | % | Yes | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0052 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0104 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.026 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.104 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0104 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0052 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.08 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0104 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0104 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0104 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0104 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0104 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0104 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0052 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0104 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-02 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0052 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 75.6 | | % | Yes | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0478 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0096 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0239 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0957 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0096 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0478 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.91 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0478 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0096 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0096 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0096 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0048 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0096 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0096 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0478 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0096 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0478 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0096 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-03 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0048 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 70.4 | | % | Yes | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0053 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0533 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0107 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0266 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.107 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0107 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0053 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0533 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.13 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0533 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0107 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0107 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0107 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0107 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0107 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0533 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0107 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0533 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0107 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-04 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0053 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 71.2 | | % | Yes | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0565 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0056 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0113 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0282 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.113 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0113 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0565 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.26 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0565 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0056 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0113 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0113 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0113 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0113 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0113 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0565 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0113 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0565 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0113 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0056 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-05 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0056 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 71.8 | | % | Yes | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0505 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0101 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0253 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.101 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0101 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0505 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.02 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0505 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0101 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0101 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0101 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0101 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0101 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0051 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0505 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0101 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0505 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0101 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-06 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0051 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 76.2 | | % | Yes | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0041 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0411 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0082 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0206 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0822 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0082 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0411 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0041 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.64 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0411 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0082 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0082 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0082 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0082 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0082 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0411 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0082 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0411 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0041 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0082 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-07 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0041 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 77.2 | | % | Yes | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0391 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0078 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0196 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0782 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0078 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0391 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.56 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0391 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0078 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0078 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0078 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0039 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|----------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0078 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0078 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0391 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0078 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0391 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0078 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0039 | mg/kg | No | | N |
| NR-US-SEDV-08 | Naugatuck River - Upstream | 2014/10/15 | Sediment | SPECTRUM | SW8260 | 2014/10/21 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0039 | mg/kg | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-01 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-02 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-03 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-04 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-05 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-06 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-07 | Naugatuck River - Upstream | 2014/10/15 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|----------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| NR-US-SWV-08 | Naugatuck River - Upstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/17 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/15 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 70.1 | | % | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 3.36 | | % | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 14 | | % | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 5.43 | | % | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 33.9 | | % | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 31.7 | | % | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 7.58 | | % | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 3.81 | | % | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.277 | | % | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/21 | Wet | A412B | TOC | TOC | Total Organic Carbon | 498 | | mg/kg | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 3.57 | | mg/kg | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 216 | | mg/kg | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 9.12 | | mg/kg | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 75.2 | | mg/kg | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.9 | mg/kg | No | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.632 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 7.31 | | mg/kg | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 7.78 | | mg/kg | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 30 | | mg/kg | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 9050 | | mg/kg | Yes | | N |
| BB-DS-SED-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 24.8 | | mg/kg | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/15 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 72.2 | | % | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 13.6 | | % | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 16.3 | | % | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 35.8 | | % | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 16.6 | | % | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 12.7 | | % | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.171 | | % | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 4.56 | | % | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.313 | | % | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/21 | Wet | A412B | TOC | TOC | Total Organic Carbon | 540 | | mg/kg | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 4.1 | | mg/kg | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 199 | | mg/kg | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 9.67 | | mg/kg | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 80.6 | | mg/kg | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.99 | mg/kg | No | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.662 | mg/kg | No | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 8.52 | | mg/kg | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 8.66 | | mg/kg | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 28.3 | | mg/kg | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 9590 | | mg/kg | Yes | | N |
| BB-DS-SED-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 30.3 | | mg/kg | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/15 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 74.4 | | % | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 11.8 | | % | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 14.3 | | % | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 13.9 | | % | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 23.8 | | % | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 28 | | % | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 6.65 | | % | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 1.27 | | % | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.246 | | % | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/21 | Wet | A412B | TOC | TOC | Total Organic Carbon | 841 | | mg/kg | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 2.89 | | mg/kg | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 124 | | mg/kg | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 8.14 | | mg/kg | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 64.7 | | mg/kg | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.97 | mg/kg | No | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.658 | mg/kg | No | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 6.21 | | mg/kg | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 6.06 | | mg/kg | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 23.6 | | mg/kg | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 7790 | | mg/kg | Yes | | N |
| BB-DS-SED-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 23 | | mg/kg | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 63.3 | | % | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 1.71 | | % | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 2.05 | | % | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 2.39 | | % | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 19.1 | | % | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 53.6 | | % | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 14.4 | | % | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 6.02 | | % | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.684 | | % | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/21 | Wet | A412B | TOC | TOC | Total Organic Carbon | 2830 | | mg/kg | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 8.09 | | mg/kg | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 153 | | mg/kg | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 9.76 | | mg/kg | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 96.6 | | mg/kg | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2.33 | mg/kg | No | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.775 | mg/kg | No | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 9.45 | | mg/kg | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 9.29 | | mg/kg | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 37.2 | | mg/kg | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 8810 | | mg/kg | Yes | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 28.5 | | mg/kg | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 76.1 | | % | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 7.84 | | % | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 15.6 | | % | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 5.79 | | % | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 21.5 | | % | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 17.9 | | % | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 9.54 | | % | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 16.4 | | % | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 5.45 | | % | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/21 | Wet | A412B | TOC | TOC | Total Organic Carbon | 1530 | | mg/kg | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 2.77 | | mg/kg | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 190 | | mg/kg | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 7.71 | | mg/kg | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 78.7 | | mg/kg | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 1.87 | mg/kg | No | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.622 | mg/kg | No | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 8.95 | | mg/kg | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 6.42 | | mg/kg | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/23 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 27.8 | | mg/kg | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 9620 | | mg/kg | Yes | | N |
| BB-DS-SED-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 29.5 | | mg/kg | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 70.3 | | % | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 1.2 | | % | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 5.18 | | % | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 0.414 | | % | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 26.3 | | % | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 44.5 | | % | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 2.03 | | % | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 18.7 | | % | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 1.66 | | % | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/21 | Wet | A412B | TOC | TOC | Total Organic Carbon | 1120 | | mg/kg | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 4.19 | | mg/kg | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 159 | | mg/kg | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 9.94 | | mg/kg | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 78.4 | | mg/kg | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2 | mg/kg | No | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.667 | mg/kg | No | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 8.4 | | mg/kg | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 9.38 | | mg/kg | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 34.8 | | mg/kg | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 9670 | | mg/kg | Yes | | N |
| BB-DS-SED-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 32.4 | | mg/kg | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 69.5 | | % | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 8.97 | | % | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 24.4 | | % | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 14.5 | | % | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 30.5 | | % | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 15.7 | | % | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 2.95 | | % | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 2.3 | | % | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.727 | | % | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/21 | Wet | A412B | TOC | TOC | Total Organic Carbon | 2850 | | mg/kg | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 5.56 | | mg/kg | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 246 | | mg/kg | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 12 | | mg/kg | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 76.2 | | mg/kg | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2.02 | mg/kg | No | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.675 | mg/kg | No | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 7.84 | | mg/kg | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 10.3 | | mg/kg | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 37.5 | | mg/kg | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 10400 | | mg/kg | Yes | | N |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 28.7 | | mg/kg | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 67.4 | | % | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 1.2 | | % | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 6.77 | | % | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 1.2 | | % | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 27.9 | | % | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 44.3 | | % | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 0.287 | | % | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 17.6 | | % | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.803 | | % | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/21 | Wet | A412B | TOC | TOC | Total Organic Carbon | 828 | | mg/kg | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 5.97 | | mg/kg | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 93.6 | | mg/kg | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 9.14 | | mg/kg | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 79.7 | | mg/kg | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2.11 | mg/kg | No | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.702 | mg/kg | No | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 8.15 | | mg/kg | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 9.09 | | mg/kg | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 34.7 | | mg/kg | Yes | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|------------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 8390 | | mg/kg | Yes | | N |
| BB-DS-SED-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 33.3 | | mg/kg | Yes | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/15 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 70.1 | | % | Yes | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0521 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0104 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0261 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.104 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0104 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0052 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0521 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.09 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0521 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0104 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0104 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0104 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0104 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0104 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0521 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0052 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0104 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0521 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0104 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-01 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0052 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/15 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 72.2 | | % | Yes | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0042 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0418 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0084 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0209 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0835 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0084 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0418 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.67 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0418 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0084 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0084 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0084 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0084 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0084 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0418 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0084 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0418 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0042 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0084 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-02 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0042 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/15 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 74.4 | | % | Yes | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0447 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0089 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0223 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0045 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0893 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0089 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0447 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.79 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0447 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0089 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0089 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0089 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0089 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0089 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0447 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0089 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0447 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0089 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-03 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0045 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 63.3 | | % | Yes | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.006 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0604 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0121 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0302 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.121 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0121 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.006 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0604 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.42 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0604 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0121 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0121 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0121 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0121 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0121 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0604 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0121 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0604 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.006 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0121 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.006 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 76.1 | | % | Yes | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0406 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0041 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0081 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0203 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0813 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0081 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0406 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 1.63 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0406 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0081 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0081 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0081 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0081 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0081 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0406 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0081 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0406 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0081 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0041 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-05 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0041 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 70.3 | | % | Yes | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0114 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0285 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.114 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0114 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0057 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.28 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0114 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0114 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0114 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0114 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0114 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0057 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0114 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0114 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-06 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0057 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 69.5 | | % | Yes | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0053 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0534 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0107 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0267 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.107 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0107 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0534 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.13 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0534 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0107 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0107 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0107 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0107 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0107 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0534 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0107 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0534 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0053 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0107 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0053 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 67.4 | | % | Yes | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0541 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0108 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0271 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.0054 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.108 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0108 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0541 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.17 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0541 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0108 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0108 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0108 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0108 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0108 | mg/kg | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0541 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0108 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0541 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0108 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.0054 | mg/kg | No | | N |
| BB-DS-SEDV-08 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/18 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.0054 | mg/kg | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-01 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-02 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-03 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-05 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-06 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | N |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | N |
| BB-DS-SWV-08 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | N |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 68.1 | | % | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 1.27 | | % | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 1.98 | | % | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 1.19 | | % | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 20.7 | | % | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 53.8 | | % | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 15.9 | | % | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 4.59 | | % | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.554 | | % | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/21 | Wet | A412B | TOC | TOC | Total Organic Carbon | 828 | | mg/kg | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 5.07 | | mg/kg | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 131 | | mg/kg | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 9.16 | | mg/kg | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 79.7 | | mg/kg | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2.1 | mg/kg | No | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.699 | mg/kg | No | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 8 | | mg/kg | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 8.61 | | mg/kg | Yes | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|------------------|------------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 32.5 | | mg/kg | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 7770 | | mg/kg | Yes | | FD |
| BB-DS-SED-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 28.6 | | mg/kg | Yes | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.05 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.01 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.025 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.0999 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.01 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.005 | mg/kg | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.05 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.05 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.01 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.01 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.01 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.01 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.01 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.05 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.005 | mg/kg | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.01 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.05 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.01 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-04 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/16 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.005 | mg/kg | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|------------------|------------|--------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-04 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | A209A | 2014/10/16 | Wet | A412B | TOTAL SOLIDS | Per Solids | Percent Solids | 69.2 | | % | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS10 | Fractional % Sieve #10 (4750-2000µm) | 6.63 | | % | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS20 | Fractional % Sieve #20 (2000-850µm) | 18.8 | | % | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS4 | Fractional % Sieve #4 (>4750µm) | 29.4 | | % | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS40 | Fractional % Sieve #40 (850-425µm) | 24.6 | | % | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | PSEP-FS60 | Fractional % Sieve #60 (425-250µm) | 14.6 | | % | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE100 | SIEVE, NO. 100, PERCENT PASSING | 3.01 | | % | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE200 | SIEVE NO. 200, PERCENT PASSING | 2.08 | | % | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | D422 | 2014/10/21 | Wet | A412B | GRAIN SIZE | SIEVE230 | SIEVE NO. 230, PERCENT PASSING | 0.929 | | % | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | LLOYDKAHN | 2014/10/21 | Wet | A412B | TOC | TOC | Total Organic Carbon | 847 | | mg/kg | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7439-92-1 | Lead | 5.51 | | mg/kg | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7439-96-5 | Manganese | 232 | | mg/kg | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-02-0 | Nickel | 8.44 | | mg/kg | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-23-5 | Sodium | 65.4 | | mg/kg | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-38-2 | Arsenic | | 2.09 | mg/kg | No | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-43-9 | Cadmium | | 0.697 | mg/kg | No | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-47-3 | Chromium | 6.19 | | mg/kg | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-50-8 | Copper | 8.81 | | mg/kg | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/24 | Dry | SW3050B | METALS - ICP AES | 7440-66-6 | Zinc | 33.4 | | mg/kg | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7439-89-6 | Iron | 7570 | | mg/kg | Yes | | FD |
| BB-DS-SED-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW6010 | 2014/10/27 | Dry | SW3050B | METALS - ICP AES | 7440-39-3 | Barium | 25 | | mg/kg | Yes | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 100-41-4 | Ethylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 100-42-5 | Styrene | | 0.005 | mg/kg | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 103-65-1 | n-Propylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 104-51-8 | n-Butylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 107-13-1 | Acrylonitrile | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.0504 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 108-86-1 | Bromobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 108-88-3 | Toluene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 108-90-7 | Chlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 109-99-9 | Tetrahydrofuran | | 0.0101 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.0252 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 123-91-1 | 1,4-Dioxane | | 0.101 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 124-48-1 | Dibromochloromethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 127-18-4 | Tetrachloroethene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 1330-20-7 | Xylene, M&P- | | 0.0101 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 135-98-8 | sec-Butylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 56-23-5 | Carbon tetrachloride | | 0.005 | mg/kg | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|---------------|---------------------------|-------------|----------|----------|-------------------|---------------|-----------|-------------|-----------------|----------|---------------------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 591-78-6 | 2-Hexanone | | 0.0504 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 60-29-7 | Diethyl ether | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 64-17-5 | Ethanol | | 2.02 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 67-64-1 | Acetone | | 0.0504 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 67-66-3 | Chloroform | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 71-43-2 | Benzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 74-83-9 | Bromomethane | | 0.0101 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 74-87-3 | Chloromethane | | 0.0101 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 74-95-3 | Dibromomethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 74-97-5 | Bromochloromethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 75-00-3 | Chloroethane | | 0.0101 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 75-01-4 | Vinyl chloride | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 75-09-2 | Methylene chloride | | 0.0101 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 75-15-0 | Carbon disulfide | | 0.0101 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 75-25-2 | Bromoform | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 75-27-4 | Bromodichloromethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.0504 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.0101 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 78-93-3 | 2-Butanone | | 0.0504 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.005 | mg/kg | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|---------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|------------|-----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 79-01-6 | Trichloroethene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 91-20-3 | Naphthalene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 95-47-6 | o-Xylene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.0101 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 98-06-6 | tert-Butylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 98-82-8 | Isopropylbenzene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.005 | mg/kg | No | | FD |
| BB-DS-SEDV-07 | Branch Brook - Downstream | 2014/10/14 | Sediment | SPECTRUM | SW8260 | 2014/10/17 | Dry | SW5035 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.005 | mg/kg | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-41-4 | Ethylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 100-42-5 | Styrene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-01-5 | cis-1,3-Dichloropropene | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 10061-02-6 | trans-1,3-Dichloropropene | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 103-65-1 | n-Propylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 104-51-8 | n-Butylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-43-4 | 4-Chlorotoluene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-46-7 | 1,4-Dichlorobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 106-93-4 | 1,2-Dibromoethane | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-06-2 | 1,2-Dichloroethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 107-13-1 | Acrylonitrile | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-10-1 | 4-Methyl-2-pentanone | | 0.01 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-20-3 | ISOPROPYL ETHER | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-67-8 | 1,3,5-Trimethylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-70-3 | 1,3,5-Trichlorobenzene | | 0.001 | mg/L | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Bas is | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifier s | Sampl e Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|-----------|-------------|-----------------|-----------|-----------------------------|-----------------|---------------------|-------|------------|----------------|-----------------|
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-86-1 | Bromobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-88-3 | Toluene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 108-90-7 | Chlorobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 109-99-9 | Tetrahydrofuran | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 110-57-6 | trans-1,4-Dichloro-2-butene | | 0.005 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 120-82-1 | 1,2,4-Trichlorobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 123-91-1 | 1,4-Dioxane | | 0.02 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 124-48-1 | Dibromochloromethane | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 127-18-4 | Tetrachloroethene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1330-20-7 | Xylene, M&P- | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 135-98-8 | sec-Butylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 142-28-9 | 1,3-Dichloropropane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-59-2 | cis-1,2-Dichloroethene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 156-60-5 | trans-1,2-Dichloroethene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 1634-04-4 | Methyl tert-butyl ether | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 541-73-1 | 1,3-Dichlorobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 56-23-5 | Carbon tetrachloride | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 563-58-6 | 1,1-Dichloropropene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 591-78-6 | 2-Hexanone | | 0.01 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 594-20-7 | 2,2-Dichloropropane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 60-29-7 | Diethyl ether | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 630-20-6 | 1,1,1,2-Tetrachloroethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 637-92-3 | Ethyl tertiary-butyl ether | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 64-17-5 | Ethanol | | 0.4 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-64-1 | Acetone | | 0.01 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 67-66-3 | Chloroform | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-43-2 | Benzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 71-55-6 | 1,1,1-Trichloroethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-83-9 | Bromomethane | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-87-3 | Chloromethane | | 0.002 | mg/L | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|---------|---------------------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-95-3 | Dibromomethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 74-97-5 | Bromochloromethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-00-3 | Chloroethane | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-01-4 | Vinyl chloride | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-09-2 | Methylene chloride | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-15-0 | Carbon disulfide | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-25-2 | Bromoform | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-27-4 | Bromodichloromethane | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-34-3 | 1,1-Dichloroethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-35-4 | 1,1-Dichloroethene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-65-0 | Tert-Butyl alcohol | | 0.01 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-69-4 | Trichlorofluoromethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 75-71-8 | Dichlorodifluoromethane | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-87-5 | 1,2-Dichloropropane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 78-93-3 | 2-Butanone | | 0.01 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-00-5 | 1,1,2-Trichloroethane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-01-6 | Trichloroethene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-61-6 | 1,2,3-Trichlorobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 87-68-3 | Hexachlorobutadiene | | 0.0005 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 91-20-3 | Naphthalene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-47-6 | o-Xylene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-49-8 | 2-Chlorotoluene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-50-1 | 1,2-Dichlorobenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 95-63-6 | 1,2,4-Trimethylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-12-8 | 1,2-Dibromo-3-chloropropane | | 0.002 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 96-18-4 | 1,2,3-Trichloropropane | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-06-6 | tert-Butylbenzene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 98-82-8 | Isopropylbenzene | | 0.001 | mg/L | No | | FD |

Appendix E: Analytical Database

| Sample ID | Location | Sample Date | Matrix | Lab Name | Analytical Method | Analysis Date | Basiss | Prep Method | Parameter Group | CAS RN | Parameter | Detected Result | Non-Detected Result | Units | Detected ? | Qualifiers | Sample Type |
|--------------|---------------------------|-------------|---------------|----------|-------------------|---------------|--------|-------------|-----------------|----------|----------------------------|-----------------|---------------------|-------|------------|------------|-------------|
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 99-87-6 | 4-Isopropyltoluene | | 0.001 | mg/L | No | | FD |
| BB-DS-SWV-07 | Branch Brook - Downstream | 2014/10/14 | Surface Water | SPECTRUM | SW8260 | 2014/10/16 | Wet | SW5030 | VOC | 994-05-8 | Tertiary-amyl methyl ether | | 0.001 | mg/L | No | | FD |

Note: Non-detect value is equal to the detection limit

J: Estimated value

N: Normal sample

FD: Field duplicate

mg/kg: milligrams per kilogram

mg/L: milligrams per liter

Appendix F

Data Validation Report

DATA VALIDATION REVIEW
Sediment Monitoring Event October 2014
Envirite RCRA Facility
Old Waterbury Road
Thomaston, Connecticut

Laboratory Sample Delivery Groups (SDGs): SB98147 and SB98028

Laboratory: Spectrum Analytical Technology, Inc., Agawam, Massachusetts

Reviewer: Wendy Stonestreet

Date Reviewed: November 24, 2014

This data validation report has been prepared by ENVIRON International Corporation (ENVIRON) to assess the validity and usability of laboratory analytical data generated from samples collected during the sediment monitoring event October 2014 event at the Envirite RCRA Facility in Thomaston, Connecticut, (the "site"), October 14, 2014 to October 15, 2014.

The analytical data were evaluated for quality assurance and quality control (QA/QC) based on the following document: *Quality Assurance Project Plan (QAPP)/Sampling Analysis Plan (SAP) for the Envirite RCRA Facility, Old Waterbury Road, Thomaston, Connecticut* (December 2013), *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (June 2008), *USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*, (January, 2010).

Analytical services for the analysis of 71 sediment samples were provided by Spectrum Analytical, Inc. (Spectrum) in Agawam, Massachusetts.

This report summarizes the QA/QC evaluation of the data according to precision, accuracy, representativeness, completeness and comparability relative to the project data quality objectives. This report provides a quantitative and qualitative assessment of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall usability of the data.

Per the December 2013 QAPP/SAP, a USEPA Tier I data validation was performed on all laboratory data. The QAPP/SAP indicated that a minimum of 10% of the data would undergo USEPA Tier II data validation. Data package SDG SB98028 was selected for Tier II analysis to meet validation requirements.

The following table summarizes the field samples and quality control samples submitted to the laboratory which underwent Tier I data validation:

| Field ID | Sample Type | Lab ID | Matrix | Analyses | | | |
|---------------|-------------|------------|--------|----------|--------------|-----|-------------------------|
| | | | | VOCs | Total Metals | TOC | Grain Size/Total Solids |
| SDG: SB98147 | | | | | | | |
| NR-DS-SED-01 | SA | SB98147-01 | Solid | --- | X | X | X |
| NR-DS-SEDV-01 | SA | SB98147-02 | Solid | X | --- | --- | --- |
| NR-DS-SED-02 | SA | SB98147-04 | Solid | --- | X | X | X |
| NR-DS-SEDV-02 | SA | SB98147-05 | Solid | X | --- | --- | --- |
| NR-DS-SED-03 | SA | SB98147-07 | Solid | --- | X | X | X |
| NR-DS-SEDV-03 | SA | SB98147-08 | Solid | X | --- | --- | --- |
| NR-DS-SED-04 | SA | SB98147-10 | Solid | --- | X | X | X |
| NR-DS-SEDV-04 | SA | SB98147-11 | Solid | X | --- | --- | --- |
| NR-DS-SED-05 | SA/MS/MSD | SB98147-13 | Solid | --- | X | X | X |
| NR-DS-SEDV-05 | SA | SB98147-14 | Solid | X | --- | --- | --- |
| DUP-4-SOIL | FD | SB98147-16 | Solid | X | X | X | X |
| DUP-5-SOIL | FD | SB98147-17 | Solid | X | X | X | X |
| BB-US-SED-01 | SA | SB98147-22 | Solid | --- | X | X | X |
| BB-US-SEDV-01 | SA | SB98147-23 | Solid | X | --- | --- | --- |
| BB-US-SED-02 | SA | SB98147-25 | Solid | --- | X | X | X |
| BB-US-SEDV-02 | SA | SB98147-26 | Solid | X | --- | --- | --- |
| BB-US-SED-03 | SA | SB98147-28 | Solid | --- | X | X | X |
| BB-US-SEDV-03 | SA | SB98147-29 | Solid | X | --- | --- | --- |
| BB-US-SED-04 | SA | SB98147-31 | Solid | --- | X | X | X |
| BB-US-SEDV-04 | SA | SB98147-32 | Solid | X | --- | --- | --- |
| BB-US-SED-05 | SA | SB98147-34 | Solid | --- | X | X | X |
| BB-US-SEDV-05 | SA | SB98147-35 | Solid | X | --- | --- | --- |
| BB-US-SED-06 | SA | SB98147-37 | Solid | --- | X | X | X |
| BB-US-SEDV-06 | SA | SB98147-38 | Solid | X | --- | --- | --- |
| BB-US-SED-07 | SA | SB98147-40 | Solid | --- | X | X | X |
| BB-US-SEDV-07 | SA | SB98147-41 | Solid | X | --- | --- | --- |
| BB-US-SED-08 | SA | SB98147-43 | Solid | --- | X | X | X |
| BB-US-SEDV-08 | SA | SB98147-44 | Solid | X | --- | --- | --- |
| NR-DS-SED-06 | SA | SB98147-46 | Solid | --- | X | X | X |
| NR-DS-SEDV-06 | SA | SB98147-47 | Solid | X | --- | --- | --- |
| NR-DS-SED-07 | SA | SB98147-49 | Solid | --- | X | X | X |
| NR-DS-SEDV-07 | SA | SB98147-50 | Solid | X | --- | --- | --- |
| NR-DS-SED-08 | SA | SB98147-52 | Solid | --- | X | X | X |
| NR-DS-SEDV-08 | SA | SB98147-53 | Solid | X | --- | --- | --- |
| NR-US-SED-01 | SA | SB98147-55 | Solid | --- | X | X | X |
| NR-US-SEDV-01 | SA | SB98147-56 | Solid | X | --- | --- | --- |
| NR-US-SED-02 | SA | SB98147-58 | Solid | --- | X | X | X |
| NR-US-SEDV-02 | SA | SB98147-59 | Solid | X | --- | --- | --- |
| NR-US-SED-03 | SA | SB98147-61 | Solid | --- | X | X | X |
| NR-US-SEDV-03 | SA | SB98147-62 | Solid | X | --- | --- | --- |
| NR-US-SED-04 | SA | SB98147-64 | Solid | --- | X | X | X |

| Field ID | Sample Type | Lab ID | Matrix | Analyses | | | |
|---------------|-------------|------------|--------|----------|--------------|-----|-------------------------|
| | | | | VOCs | Total Metals | TOC | Grain Size/Total Solids |
| NR-US-SEDV-04 | SA | SB98147-65 | Solid | X | --- | --- | --- |
| NR-US-SED-05 | SA | SB98147-67 | Solid | --- | X | X | X |
| NR-US-SEDV-05 | SA | SB98147-68 | Solid | X | --- | --- | --- |
| NR-US-SED-06 | SA | SB98147-70 | Solid | --- | X | X | X |
| NR-US-SEDV-06 | SA | SB98147-71 | Solid | X | --- | --- | --- |
| NR-US-SED-07 | SA | SB98147-73 | Solid | --- | X | X | X |
| NR-US-SEDV-07 | SA | SB98147-74 | Solid | X | --- | --- | --- |
| NR-US-SED-08 | SA | SB98147-76 | Solid | --- | X | X | X |
| NR-US-SEDV-08 | SA | SB98147-77 | Solid | X | --- | --- | --- |
| TB-2-Soil | TB | SB98147-79 | Solid | X | --- | --- | --- |
| TB-3-Soil | TB | SB98147-80 | Solid | X | --- | --- | --- |

Sample Type: SA = Sample TB = Trip Blank FD = Field Duplicate EB = Equipment Blank
 --- = Analysis was not performed for this analytical parameter
VOCs = Volatile Organic Compounds by USEPA Method SW-846 8260B by Gas Chromatography/Mass Spectrometry (GC/MS) Medium Level.
Total and Dissolved Metals = Arsenic, Barium, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Sodium, Nickel and Zinc by EPA Method 6010.
General Chemistry = TOC (Total Organic Carbon) by SM5310B
Grain Size by ASTM D422
Total Solids by Standard Method 2540G Modified

Data Package Completeness

Were all items delivered as specified in the QAPP and COC (Chain of Custody)?

Yes, the laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative. The laboratory submitted all required deliverables for SDGSB98147. Preservation requirements were met for all samples. All quality control recoveries were within established laboratory control limits with the exception of the following:

- **SDG SB98147:**

GRAIN SIZE

The relative percent difference (RPD) for duplicate analysis for grain size was outside of the laboratory acceptance range for three samples; BB-US-SED-01, NR-US-SED-06 and NR-US-SED-05. While the elevated RPD indicates potentially poor precision, this non-conformance does not appear to affect the usability of the data.

TOC ANALYSIS

The percent (%) relative standard deviation (RSD) was above the laboratory control limit of 5% for samples NR-US-SED-05 and NR-US-SED-01 for TOC analysis. The analytical results are therefore considered estimated values.

The laboratory indicated the result for TOC in sample NR-US-SED-06 is considered an estimated value because the result exceeded the calibration range of the instrument. This non-conformance however, does not affect the usability of the data.

PERCENT SOLIDS

All –SEDV samples were submitted to the laboratory without an unpreserved sample aliquot which is used to determine dry weight. Therefore the solid weight result from the associated –SED sample location was used to calculate results on a dry weight basis. Since all field soil samples –SED and –SEDV were collected at the same time and same location, this change in reference material likely does not affect the usability or accuracy of the results.

METALS ANALYSIS

The matrix spike recovery for manganese in sample NR-DS-SED-05 (Batch 1424869) was outside laboratory control limits of 75-125% at 150%. The matrix spike duplicate recovery for manganese was within control limits. In addition the RPDs for manganese, zinc, nickel, copper arsenic, chromium, cadmium and lead exceeded the RPD limit of 20%. Likely these non-conformances can be attributed to matrix interferences and the accuracy of manganese and precision of the manganese, zinc, nickel, copper arsenic, chromium, cadmium and lead results associated results may be biased. However, these non-conformances do not affect the usability of the data. In addition, the post digestive spike and LCS recoveries were reported within laboratory control limits which indicate acceptable instrument precision and accuracy for the sample.

The matrix spike recovery for iron in sample NR-DS-SED-05 (Batch 1425332) was outside the laboratory control limits of 75-125% at 1950%. The matrix spike duplicate recovery for iron and barium was outside the laboratory control limits of 75-125% at -2530% and 74%. The RPD for sodium iron and barium was also reported outside laboratory control limits. In addition the post-digestive spike recovery for iron at -628% was outside the laboratory control limit of 80-120%, The parent sample results for sodium, iron and barium were reported at concentrations greater than 4 times the spike concentration were not considered appropriate for evaluating MS/MSD recoveries. These non-conformances do not affect the usability of the data.

The matrix spike recovery for sodium and iron in sample NR-DS-SED-08 was outside the laboratory control limits of 75-125% at 129% and 950% respectively. In addition the post-digestive spike recovery for iron at -464% was outside the laboratory control limit of 80-120%, The parent sample results for sodium and iron were reported at concentrations greater than 4 times the spike concentration were not considered appropriate for evaluating MS/MSD recoveries. These non-conformances do not affect the usability of the data.

Duplicate sample RPD values for lead, nickel, copper, chromium, cadmium and zinc in sample NR-DS-SED-05 (Batch 1424869) were reported above laboratory control limits due to a solid non-homogeneous sample matrix. While the elevated RPDs indicate potentially poor precision, this non-conformance does not appear to affect the usability of the data.

Duplicate sample RPD values for iron and sodium in sample NR-DS-SED-05 (Batch 1425332) were reported above laboratory control limits due to a solid non-homogeneous sample matrix. While the elevated RPDs indicate potentially poor precision, this non-conformance does not appear to affect the usability of the data.

VOC ANALYSIS

Several VOC analyte percent differences for initial calibration verification (ICV) were outside individual acceptance criteria; however the percent recoveries were within overall method allowances. The slightly high results may indicate potentially high bias however these non-conformances do not appear to affect the usability of the data.

Several VOC analyte percent differences for continuing calibration verification (CCV) were outside individual acceptance criteria; however the percent recoveries were within overall method allowances. The slightly high results may indicate potentially high bias however these non-conformances do not appear to affect the usability of the data.

Blank Spike (BS, a.k.a LCS)/BS Duplicate (BSD) batch QC samples were analyzed in association with the VOC analysis of sample NR-DS-SEDV-05 with BSD or BS and BSD recoveries for one compound (hexachlorobutadiene) above QC limits, indicating a potential high analytical bias. As the associated analytical results were non-detect, this non-conformance does not affect the usability of the data.

BS/BSD batch QC samples were analyzed in association with the VOC analyses of 4 samples (NR-DS-SEDV-01, NR-US-SEDV-01, NR-US-SEDV-03 and NR-US-SEDV-08) with BS/BSD recoveries for five compounds (2-butanone, 4-methyl-2-pentanone, acetone, ethanol and tert-butanol/butyl alcohol) above QC limits indicating a potential high analytical bias. As the associated analytical results are all non-detect, this non-conformance does not affect the usability of the data.

Matrix Spike (MS) and MS duplicate (MSD) batch QC samples for sample NR-DS-SEDV-05 were analyzed for VOCs, with MS and/or MSD recoveries outside QC limits for 18 compounds. MS or MSD recoveries were above QC limits for all compounds indicating a potential high analytical bias. As the associated analytical results are all non-detect, this non-conformance does not affect the usability of the data.

Matrix Spike (MS) and MS duplicate (MSD) batch QC samples for sample NR-DS-SEDV-05 (diluted 50x) were analyzed for VOCs, with MS and/or MSD recoveries outside QC limits for 11 compounds and RPDs above the maximum QC limit for one compound. MS or MSD recoveries were above QC limits for all compounds indicating a potential high analytical bias. As the associated analytical results are all non-detect, this non-conformance does not affect the usability of the data. RPDs were above the maximum QC limit for one compound. While the elevated RPD may indicate potentially poor precision, as the associated analytical result was non-detect, this non-conformance does not appear to affect the usability of the data.

Data Usability

It is the opinion of this reviewer that all data for SDG SB98147 is valid and is considered usable for project purposes.

The following table summarizes the field samples and quality control samples submitted to the laboratory which underwent Tier II data validation:

| Field ID | Sample Type | Lab ID | Matrix | Analyses | | | |
|---------------|-------------|-------------|--------|----------|--------------|-----|-------------------------|
| | | | | VOCs | Total Metals | TOC | Grain Size/Total Solids |
| SDG: SB98028 | | | | | | | |
| BB-DS-SED-01 | SA | SB98028-01 | Solid | --- | X | X | X |
| BB-DS-SEDV-01 | SA | SB98028-02 | Solid | X | --- | --- | --- |
| BB-DS-SED-02 | SA | SB98028-04 | Solid | --- | X | X | X |
| BB-DS-SEDV-02 | SA | SB98028-05 | Solid | X | --- | --- | --- |
| BB-DS-SED-03 | SA | SB98028-07 | Solid | --- | X | X | X |
| BB-DS-SEDV-03 | SA | SB98028-08 | Solid | X | --- | --- | --- |
| BB-DS-SED-04 | SA | SB98028-10 | Solid | --- | X | X | X |
| BB-DS-SEDV-04 | SA | SB98028-11 | Solid | X | --- | --- | --- |
| BB-DS-SED-05 | SA | SB98028-13 | Solid | --- | X | X | X |
| BB-DS-SEDV-05 | SA | SB98028-14 | Solid | X | --- | --- | --- |
| BB-DS-SED-06 | SA | SB98028-16 | Solid | --- | X | X | X |
| BB-DS-SEDV-06 | SA | SB98028-17 | Solid | X | --- | --- | --- |
| BB-DS-SED-07 | SA | SB98028-19 | Solid | --- | X | X | X |
| BB-DS-SEDV-07 | SA | SB98028-20 | Solid | X | --- | --- | --- |
| BB-DS-SED-08 | SA | SB98028-22 | Solid | --- | X | X | X |
| BB-DS-SEDV-08 | SA | SB98028-23 | Solid | X | --- | --- | --- |
| DUP-1-Soil | FD | SB-98028-25 | Solid | --- | X | X | X |
| DUP-2-Soil | FD | SB-98028-26 | Solid | --- | X | X | X |
| TB-1-Soil | TB | SB-98028-27 | Solid | X | --- | --- | --- |

Sample Type: SA = Sample TB = Trip Blank FD = Field Duplicate EB = Equipment Blank
 --- = Analysis was not performed for this analytical parameter
VOCs = Volatile Organic Compounds by USEPA Method SW-846 8260B by Gas Chromatography/Mass Spectrometry (GC/MS) Medium Level.
Total and Dissolved Metals = Arsenic, Barium, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Sodium, Nickel and Zinc by EPA Method 6010.
General Chemistry = TOC (Total Organic Carbon) by SM5310B
Grain Size by ASTM D422
Total Solids by Standard Method 2540G Modified

General Overall Assessment:

- ☐ Data are usable without qualification.
- ☒ Data are usable with qualification (noted below).
- ☐ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were noted below.

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC (Chain of Custody)?

Yes, the laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

2.0 Laboratory Case Narrative, Sample Preservation and Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated the following:

- **Grain Size** – The RPD for one duplicate sample was reported outside of laboratory control limits. See Section 12.0 for further discussion and resultant data qualification.
- **General Chemistry** – The RSD for Total Organic Carbon (TOC) was reported above laboratory control limits. See Section 12.0 for further discussion and resultant data qualification.
- **Percent Solids** - All –SEDV samples were submitted to the laboratory without an unpreserved sample aliquot which is used to determine dry weight. Therefore the solid weight result from the associated –SED sample location was used to calculate results on a dry weight basis. Since all field soil samples –SED and –SEDV were collected at the same time and same location, this change in reference material likely does not affect the usability or accuracy of the results and the issue will not be discussed further in this report.
- **Total Metals** - The MS/MSD or RPD recoveries for several analytes were reported outside laboratory control limits. See Section 7.0 for further discussion and resultant data qualification. Duplicate results exceeded RPD values for several analytes. See Section 9.0 for further discussion and resultant qualification. Several samples required dilution prior to sample analysis due to high concentration of target analytes. See Section 10.0 for further discussion and resultant data qualification.
- **VOCs** – The LCS RPD recovery for one analyte was reported outside of quality control limits. See Section 5.0 for further discussion and resultant qualification. MS/MSD recoveries for several analytes were reported outside laboratory control limits. See Section 7.0 for further discussion and resultant qualification. The MS/MSD or RPD recoveries for several analytes were outside laboratory control limits. Several samples required dilution prior to sample analysis due to high concentration of target analytes. See Section 10.0 for further discussion and resultant data qualification. The ICV and/or CCV analyte percent difference was outside of individual acceptance limits for several analytes. See Section 11.0 for further discussion and resultant data qualification.

Samples were received at the Spectrum Analytical, Inc. laboratory in good condition. Temperature upon receipt of sample batch was 0.4°C. Acceptable temperature range is 2 - 6°C. However, given that the temperature was taken using an Infrared thermometer, which has an error tolerance of +/- 1.0 degrees Celsius, and the laboratory did not note any freezing of the samples, this non-conformance does not affect the usability of the data.

3.0 Technical Holding Times

Were samples extracted/analyzed within method specific holding time requirements?

Yes. All samples were prepared and/or analyzed within method specific required holding times.

4.0 Blank Contamination

Were any analytes detected in the Method Blanks or Trip Blanks?

No analytes were detected in the associated trip and method blanks.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No. The laboratory control sample (LCS) provides information on the accuracy of the analytical method and on the laboratory performance. The following table summarizes the LCS results that were outside the acceptance limits.

| LCS ID | Parameter | Analyte | LCS/LCSD (%) | RPD (%) | LCS/LCSD/ RPD Criteria (Recovery %) |
|-------------|-----------|------------------|--------------|---------|-------------------------------------|
| 1424512-BS1 | 8260B | 2-Butanone (MEK) | 114/83 | 32 | 70-130/20 |

ID = Identification LCS/D = Laboratory Control Sample/Duplicate RPD = Relative Percent Difference
% = Percent

Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes. Surrogates are added to all volatile samples prior to purging to evaluate the laboratory performance on individual samples. Four volatile surrogates (dibromofluoromethane, 1,2-dichloroethane-d4, toluene-d8, and bromofluorobenzene) were added to each volatile sample. Percent recoveries (%R) for all volatile surrogates in all samples were within laboratory evaluation criteria. Qualification of data was not required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes. A matrix spike was performed from a site specific sample for all parameters.

Were MS/MSD recoveries within evaluation criteria?

No. MS/MSD recoveries which were outside acceptance evaluation criteria are summarized in the table below.

| Sample ID | Parameter | Analyte | MS/MSD Recovery (%) | RPD (%) | MS/MSD/ RPD Criteria (%) |
|--------------------|-----------|-----------------------------|---------------------|-----------|--------------------------|
| BB-DS-SEDV-06 | 8260B | Acrylonitrile | 68/82 | 19 | 70-130/20 |
| BB-DS-SEDV-06 | 8260B | Bromomethane | 64/53 | 19 | 70-130/20 |
| BB-DS-SEDV-06 | 8260B | Hexachlorobutadiene | 153/126 | 30 | 70-130/20 |
| BB-DS-SEDV-06 | 8260B | sec-Butylbenzene | 131/122 | 7 | 70-130/20 |
| BB-DS-SEDV-06 | 8260B | tert-Butylbenzene | 133/121 | 10 | 70-130/20 |
| BB-DS-SEDV-06 | 8260B | Trichlorofluoromethane | 144/116 | 22 | 70-130/20 |
| BB-DS-SEDV-06 | 8260B | 1,1,1-Trichloroethane | 135/116 | 15 | 70-130/20 |
| BB-DS-SEDV-06 | 8260B | Chloroethane | 107/69 | 43 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | Acetone | -0.9/-185 | NR | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | 2-Butanone (MEK) | 46/-23 | NR | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | 1,2-Dibromo-3-chloropropane | 68/88 | 27 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | 1,2-Dichlorobenzene | 63/78 | 21 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | 1,3-Dichlorobenzene | 66/79 | 19 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | 1,4-Dichlorobenzene | 63/76 | 19 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | Hexachlorobutadiene | 61/75 | 21 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | 2-Hexanone | 74/55 | 30 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | Naphthalene | 36/38 | 6 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | Styrene | 58/86 | 40 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | 1,2,3-Trichlorobenzene | 36/39 | 9 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | 1,2,4-Trichlorobenzene | 38/42 | 11 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | 1,3,5-Trichlorobenzene | 53/64 | 18 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | 1,4-Dioxane | 138/126 | 9 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | trans-1,4-Dichloro-2-butene | 47/58 | 22 | 70-130/20 |
| BB-DS-SEDV-06 (RE) | 8260B | Ethanol | 87/52 | 50 | 70-130/20 |
| BB-DS-SED-06 | 6010 | Sodium | 129/127 | 4 | 75-125/20 |
| BB-DS-SED-06 (RD) | 6010 | Iron | -45/-685 | 12 | 75-125/20 |

MS = Matrix Spike MSD = Matrix Spike Duplicate RPD = Relative Percent Difference % = Percent

Per USEPA National Functional Guidelines data should not be qualified based on MS/MSD results alone. LCS/LCSD recoveries and surrogate recoveries were within laboratory control criteria and indicated effective accuracy and precision for the above analytes. In addition, parent sample results at concentrations greater than 4 times the spike concentration were not considered appropriate for evaluating MS/MSD recoveries. **Qualification of data was not required.**

8.0 Post Spike (Metals only)

Were post spike recoveries within evaluation criteria?

Yes. All post spike recoveries were reported within laboratory criteria.

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples performed as part of this SDG?

Yes, as spiked duplicates, which are discussed in the previous sections. In addition laboratory duplicates were reported for metals and grain size. All metals duplicate RPD values were reported within laboratory criteria. Two preparatory fractional % sieve RPDs were reported outside of the laboratory control limit of 35%; Fractional % Sieve #10 (4750-2000um) at 45% and Fractional % Sieve #200 (150-75um) at 54% for sample DUP-1-Soil. While the elevated RPD indicates potentially poor precision, this non-conformance does not appear to affect the usability of the data.

10.0 Field Duplicate Results

Were field duplicate samples collected as part of the evaluated SDGs?

Yes. The table below summarizes field duplicate pairs.

| Field ID | Field Duplicate ID |
|----------|--------------------|
| BB-DS-04 | DUP-1-Soil |
| BB-DS-07 | DUP-2-Soil |

Were field duplicates within evaluation criteria?

Yes. All RPD's of reported results were less than the acceptance limits of $\pm 50\%$ for solid samples.

11.0 Detects and Calibration Range

For samples that were diluted and nondetect, were undiluted results also reported?

Yes

For samples that were not diluted and detected, were the results within calibration range?

Yes

12.0 Additional Qualifications/Quality Control Outliers

Were additional qualifications applied?

- Several VOC analyte percent recoveries for continuing calibration verification (CCV) were outside individual acceptance criteria of 20%; however the percent recoveries were within overall method allowances. Therefore qualification of data was not required.
- Several VOC analyte percent recovery for initial calibration verification (ICV) were outside individual acceptance criteria; however the percent recoveries were within overall method allowances therefore qualification of data was not required.

- Several reporting limits were raised to correlate to batch quality control reporting limits. Data users should be aware of these elevated reporting limits when evaluating data usage for comparison to project standards.

13.0 Overall Data Assessment

The data are usable for its intended purpose based on an evaluation of the QC parameters discussed in this report. No qualification of data was required.

Appendix D, Attachment A
Data Validation, Accuracy and Precision Analysis

| Sample ID | Parameter | Analyte | MS/MSD Recovery (%) | RPD (%) | MS/MSD/ RPD Criteria (%) |
|--------------|-----------|-----------|---------------------|---------|--------------------------|
| NR-DS-SED-05 | 6010C | Manganese | 150/83 | 27 | 75-125/20 |
| NR-DS-SED-05 | 6010C | Copper | 103/71 | 34 | 75-125/20 |
| NR-DS-SED-05 | 6010C | Chromium | 101/74 | 33 | 75-125/20 |
| NR-DS-SED-05 | 6010C | Zinc | 91/56 | 33 | 75-125/20 |
| NR-DS-SED-05 | 6010C | Cadmium | 98/76 | 30 | 75-125/20 |
| NR-DS-SED-05 | 6010C | Lead | 91/70 | 28 | 75-125/20 |
| NR-DS-SED-05 | 6010C | Nickel | 99/71 | 35 | 75-125/20 |
| NR-DS-SED-05 | 6010C | Arsenic | 88/68 | 30 | 75-125/20 |

The matrix spike (MS) recovery for manganese was above quality control (QC) limits indicating potential high bias for the detected result of manganese in sample NR-DS-SED-05. Matrix spike duplicate (MSD) recoveries for chromium, zinc, lead, nickel and arsenic were below QC limits indicating potential low bias for the detected for chromium, zinc and lead and non-detect result for arsenic. The relative percent difference for all analytes exceeded the QC limits which may indicate poor precision. However, per USEPA National Functional Guidelines data should not be qualified based on MS/MSD results alone. LCS/LCSD recoveries were within laboratory control criteria and indicated effective accuracy and precision for the above analytes. In addition, parent sample results at concentrations greater than 4 times the spike concentration were not considered appropriate for evaluating MS/MSD recoveries. These non-conformances do not affect the usability of the data. **Qualification of data was not required.**

| Sample ID | Parameter | Analyte | MS/MSD Recovery (%) | RPD (%) | MS/MSD/ RPD Criteria (%) |
|--------------|-----------|---------|---------------------|---------|--------------------------|
| NR-DS-SED-08 | 6010C | Sodium | 129/127 | 0.5 | 75-125/20 |
| NR-DS-SED-08 | 6010C | Iron | 950/804 | 2 | 75-125/20 |

The matrix spike (MS) recovery for sodium and iron were above quality control (QC) limits indicating potential high bias for the detected results of sodium and iron in sample NR-DS-SED-08. However, per USEPA National Functional Guidelines data should not be qualified based on MS/MSD results alone. LCS/LCSD recoveries were within laboratory control criteria and indicated effective accuracy and precision for the above analytes. In addition, parent sample results at concentrations greater than 4 times the spike concentration were not considered appropriate for evaluating MS/MSD recoveries. These non-conformances do not affect the usability of the data. **Qualification of data was not required.**

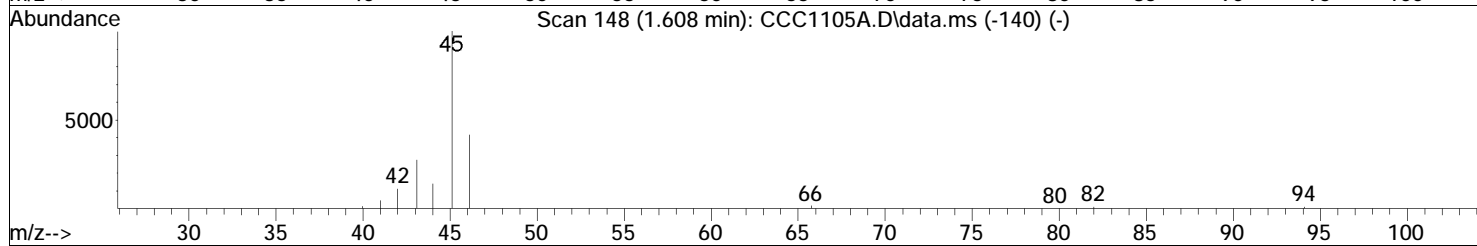
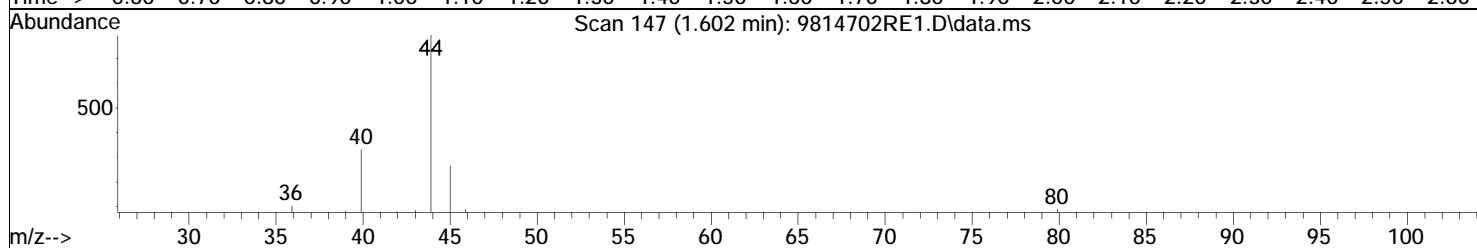
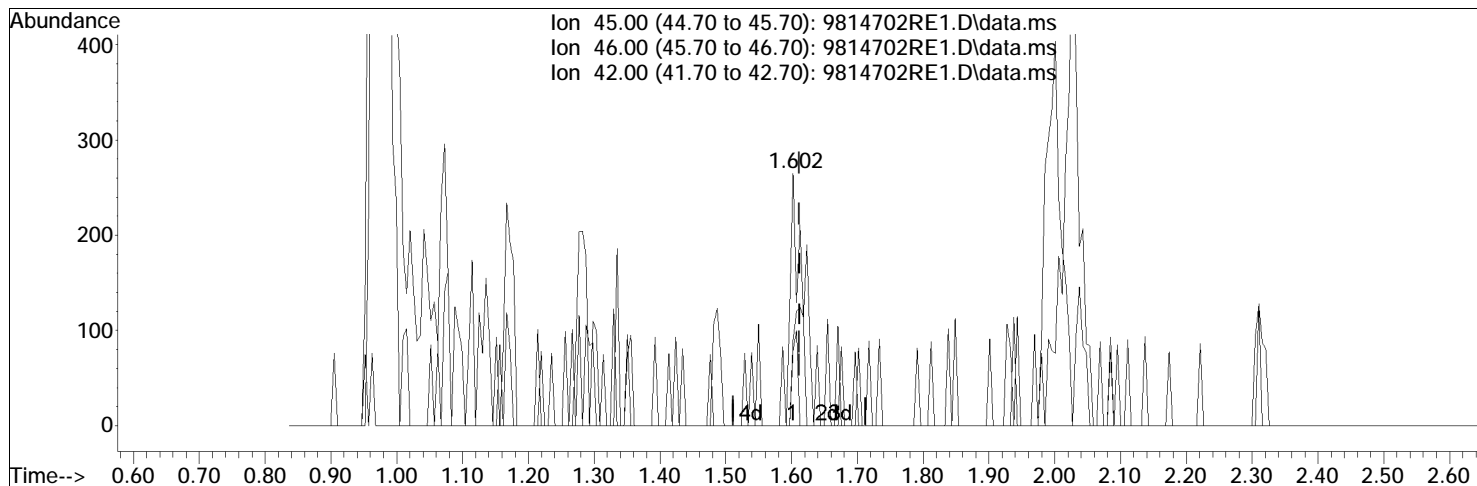
Appendix G

Raw Laboratory Data Reports for Samples with Trace Ethanol

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1021\
 Data File : 9814702RE1.D
 Acq On : 21 Oct 2014 11:52 am
 Operator : JEG
 Sample : SB98147-02RE1 @ NR-DS-SEDV-01 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 12:59:40 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814702RE1.D\data.ms

(7) Ethanol (C)

1.602min (-0.011) 22.89 ug/L

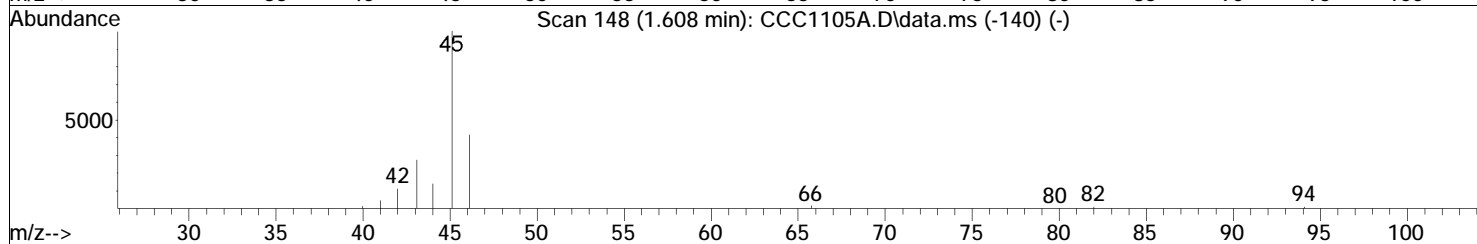
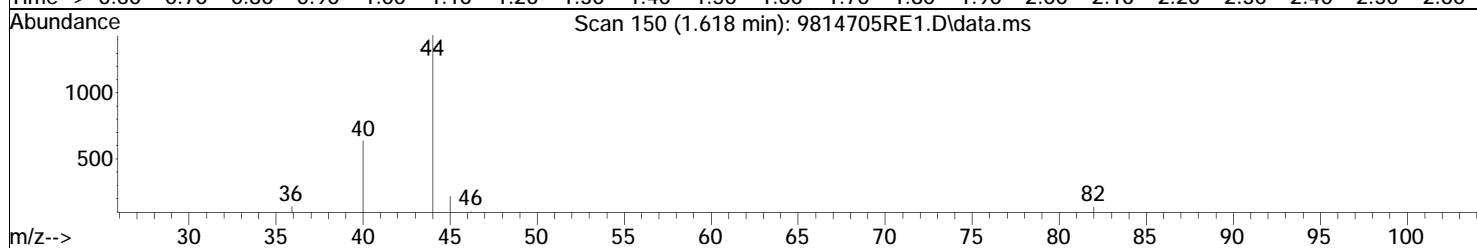
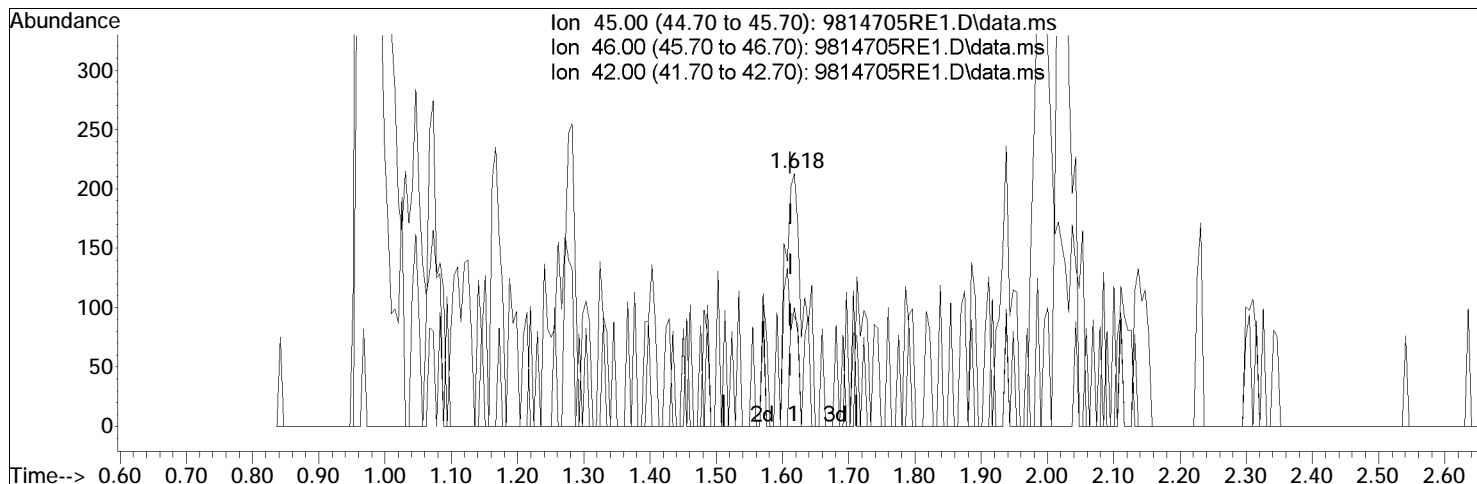
response 401

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 35.16# |
| 42.00 | 0.00 | 13.97# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020\
 Data File : 9814705RE1.D
 Acq On : 20 Oct 2014 12:32 pm
 Operator : JEG
 Sample : SB98147-05RE1 @ NR-DS-SEDV-02 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 21 11:57:56 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814705RE1.D\data.ms

(7) Ethanol (C)

1.618min (+0.005) 15.42 ug/L m

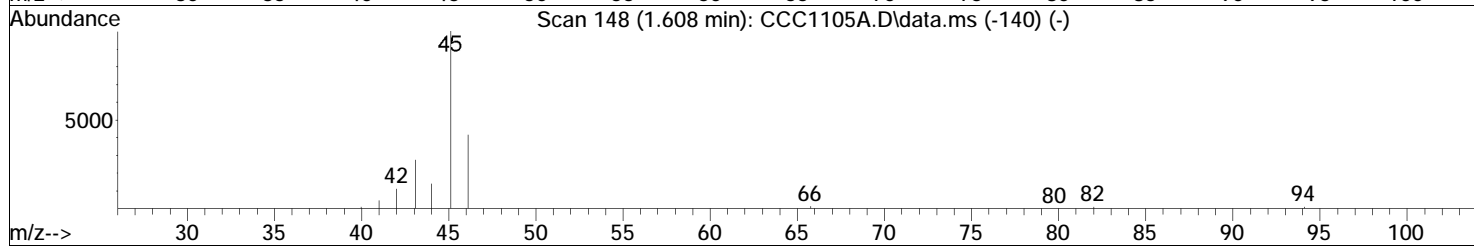
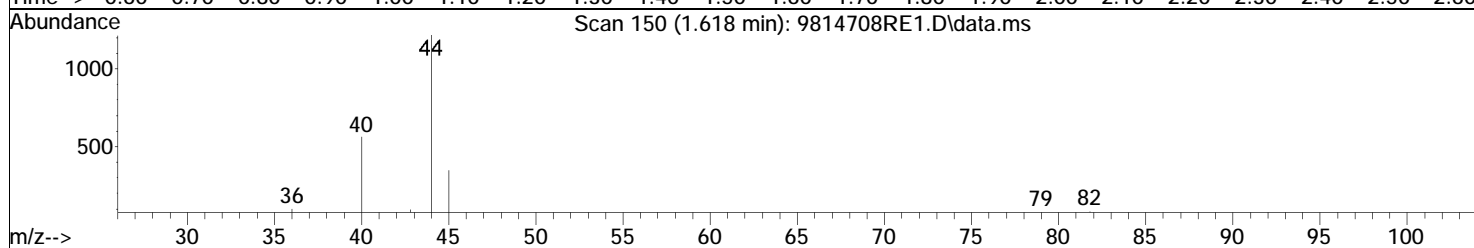
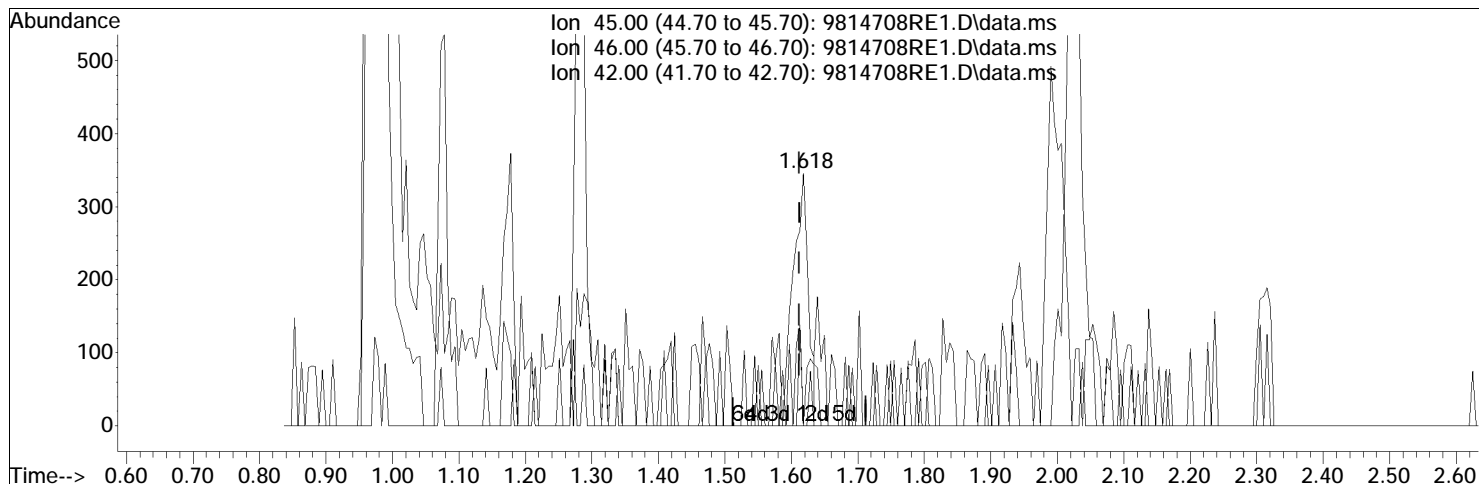
response 398

| Ion | Exp% | Act% |
|-------|------|------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 42.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020\
 Data File : 9814708RE1.D
 Acq On : 20 Oct 2014 1:51 pm
 Operator : JEG
 Sample : SB98147-08RE1 @ NR-DS-SEDV-03 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 21 11:58:14 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814708RE1.D\data.ms

(7) Ethanol (C)

1.618min (+0.005) 20.37 ug/L

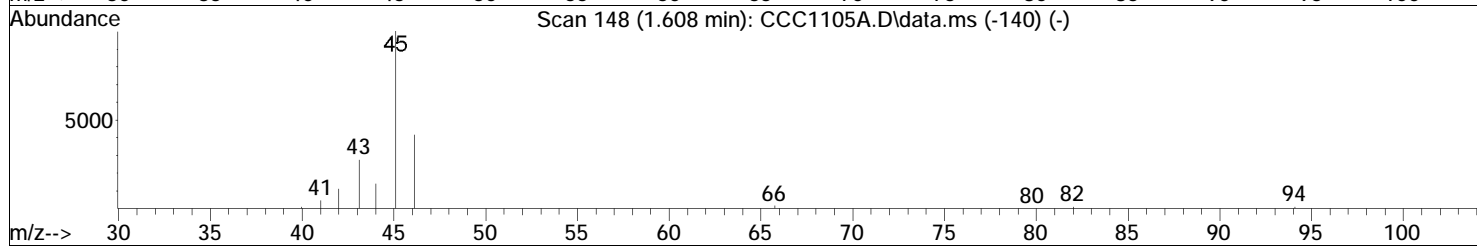
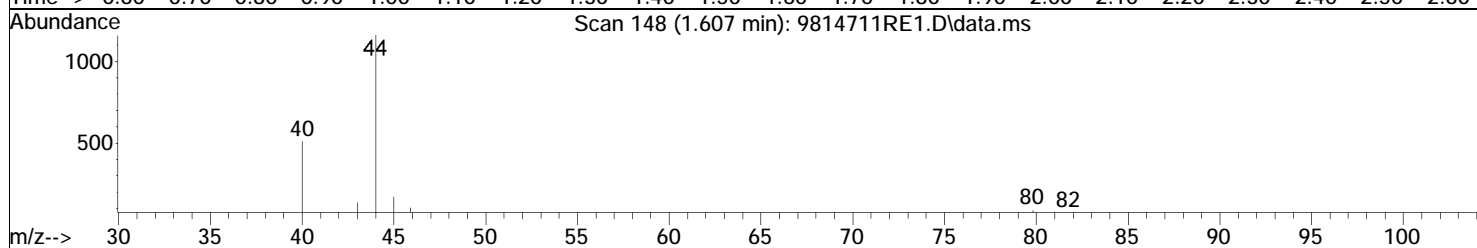
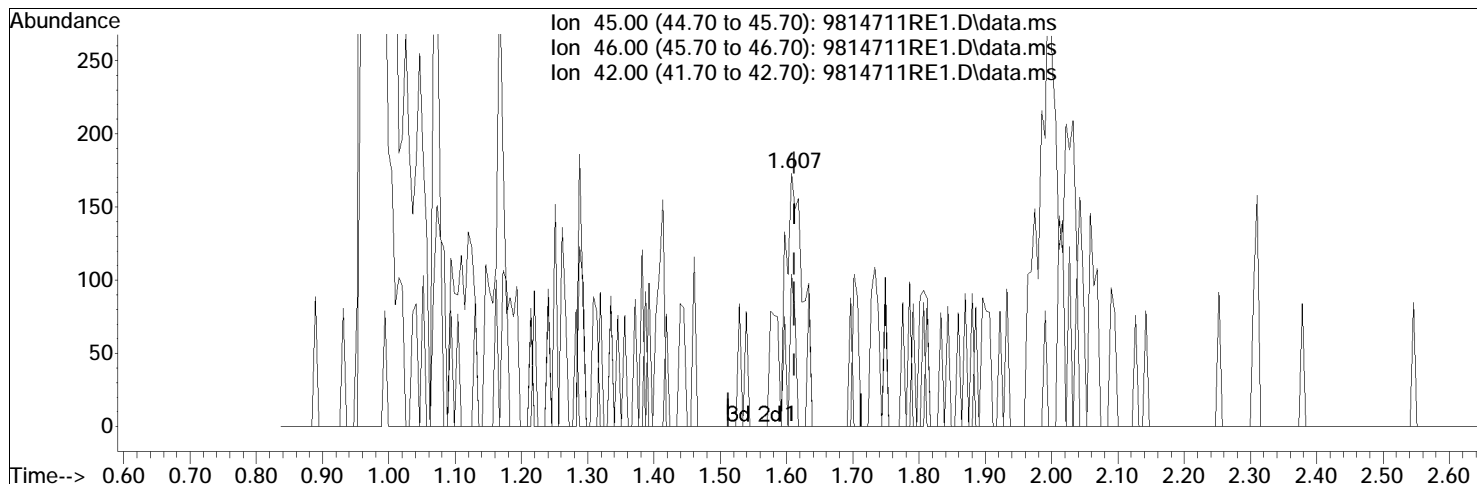
response 551

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 20.69# |
| 42.00 | 0.00 | 7.44# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020\
 Data File : 9814711RE1.D
 Acq On : 20 Oct 2014 2:21 pm
 Operator : JEG
 Sample : SB98147-11RE1 @ NR-DS-SEDV-04 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 21 11:58:28 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814711RE1.D\data.ms

(7) Ethanol (C)

1.607min (-0.006) 13.29 ug/L m

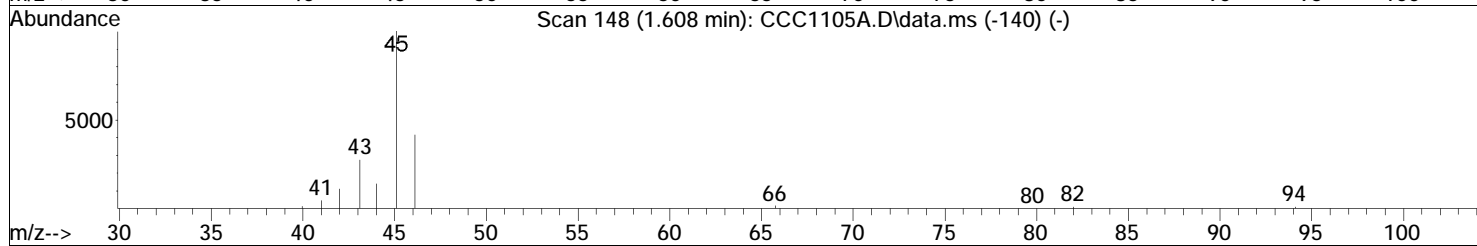
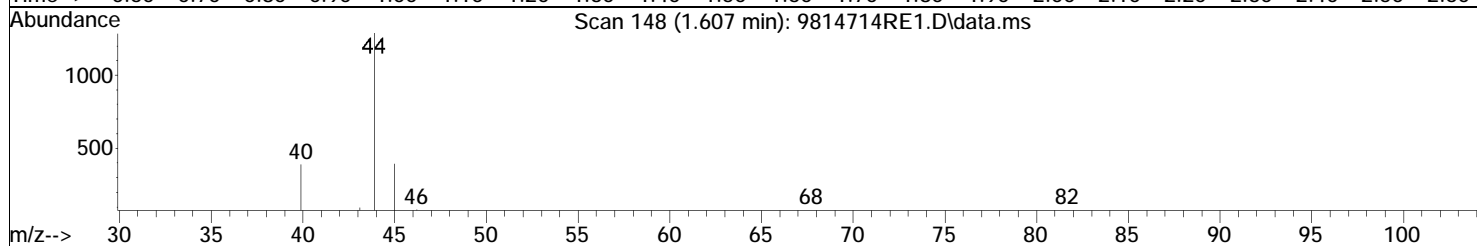
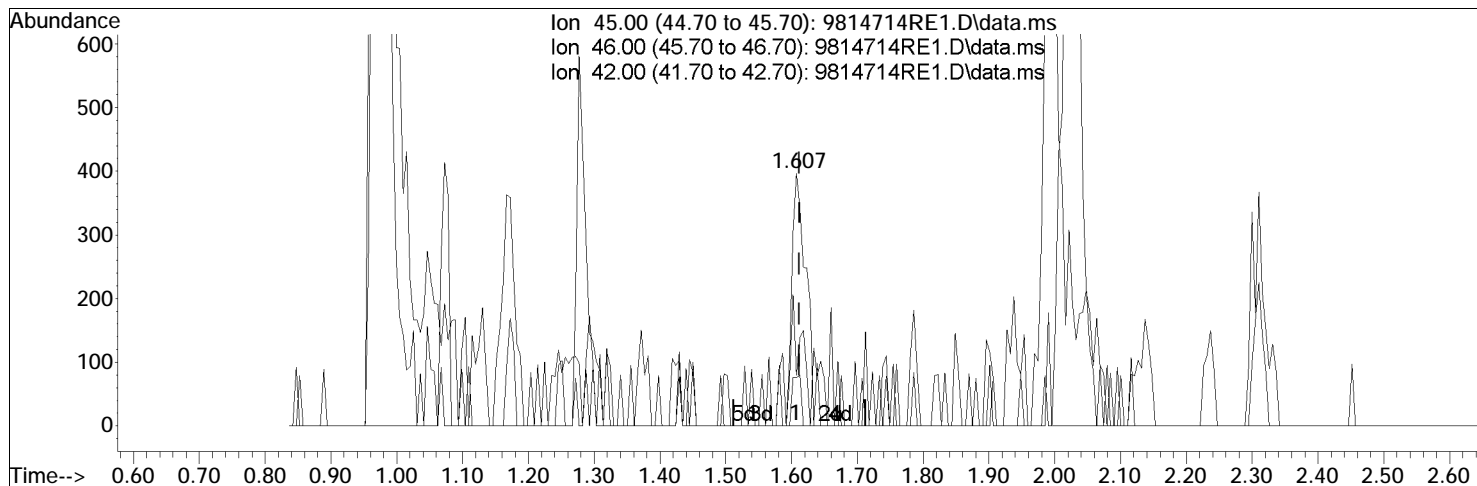
response 310

| Ion | Exp% | Act% |
|-------|------|------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 42.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020\
 Data File : 9814714RE1.D
 Acq On : 20 Oct 2014 2:52 pm
 Operator : JEG
 Sample : SB98147-14RE1 @ NR-DS-SEDV-05 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 21 11:58:48 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814714RE1.D\data.ms

(7) Ethanol (C)

1.607min (-0.006) 32.12 ug/L

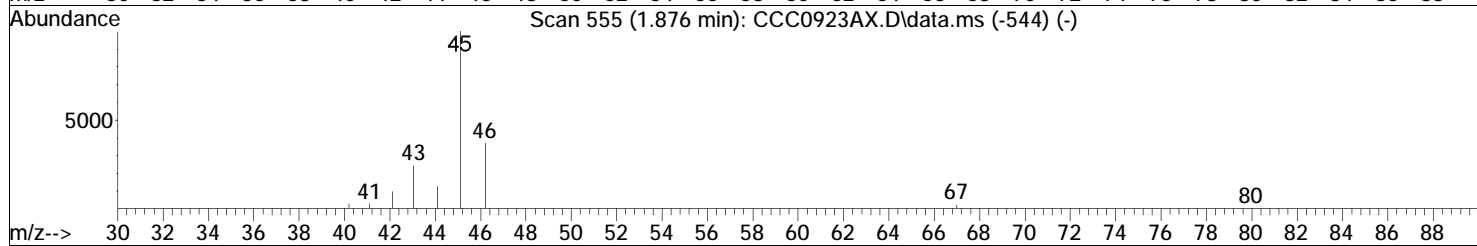
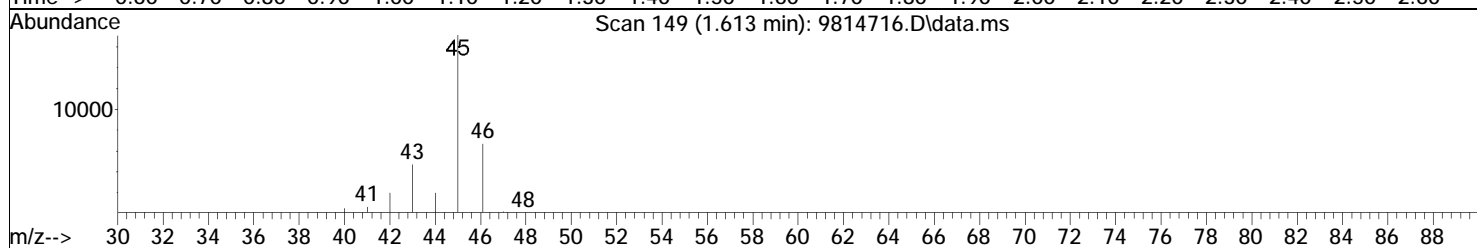
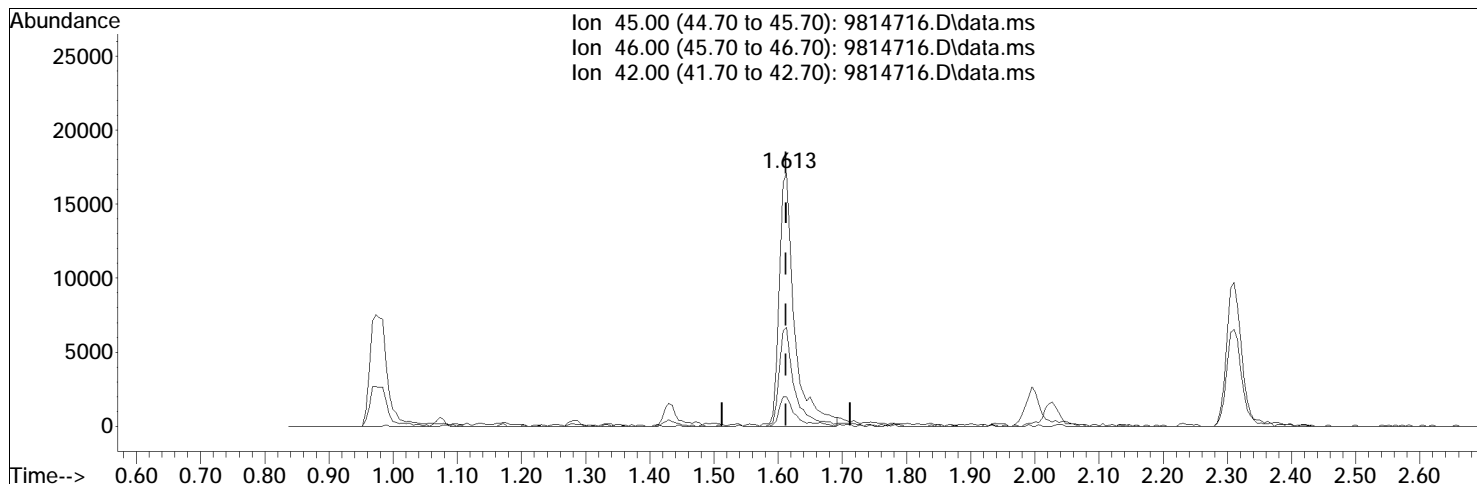
response 673

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 34.32# |
| 42.00 | 0.00 | 10.85# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1017B\
 Data File : 9814716.D
 Acq On : 18 Oct 2014 6:52 am
 Operator : JEG
 Sample : SB98147-16 @ DUP-4-Soil 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 20 09:47:34 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Fri Oct 17 11:31:33 2014
 Response via : Initial Calibration



TIC: 9814716.D\data.ms

(7) Ethanol (C)

1.613min (-0.000) 1521.08 ug/L

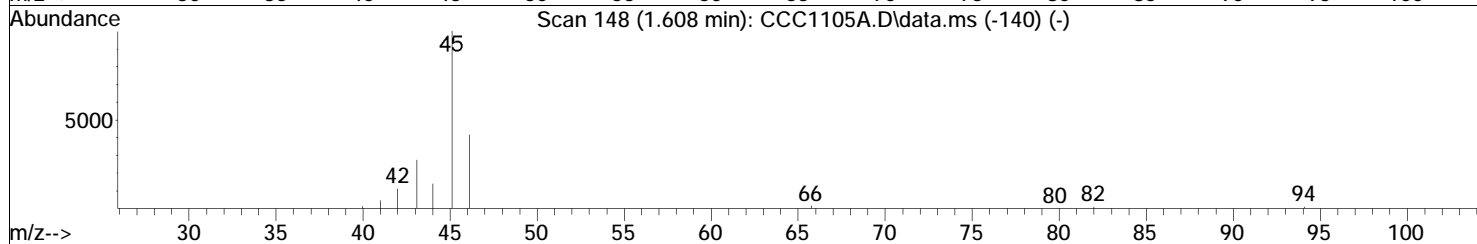
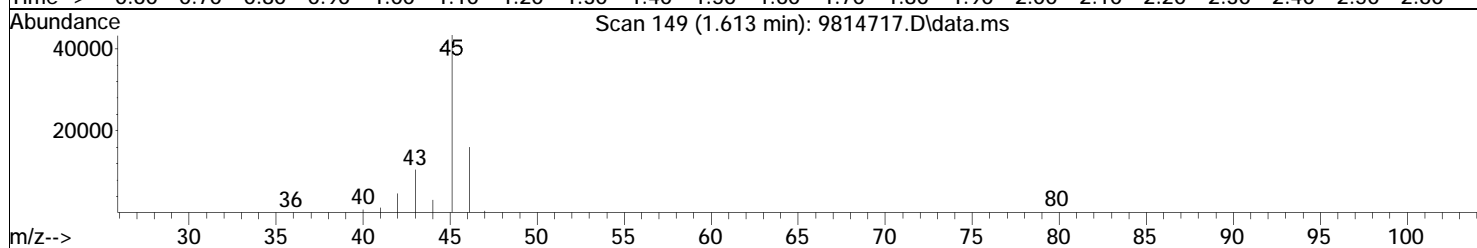
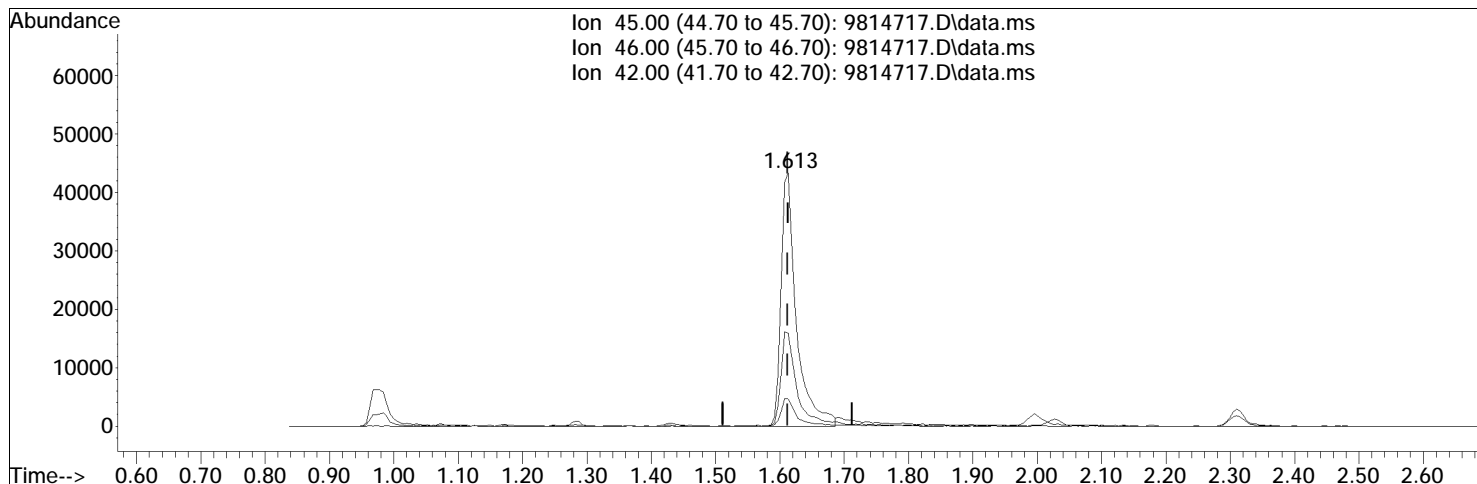
response 28518

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 38.38# |
| 42.00 | 0.00 | 12.27# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1017B\
 Data File : 9814717.D
 Acq On : 18 Oct 2014 7:23 am
 Operator : JEG
 Sample : SB98147-17 @ DUP-5-Soil 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 20 09:47:46 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Fri Oct 17 11:31:33 2014
 Response via : Initial Calibration



TIC: 9814717.D\data.ms

(7) Ethanol (C)

1.613min (-0.000) 3877.64 ug/L

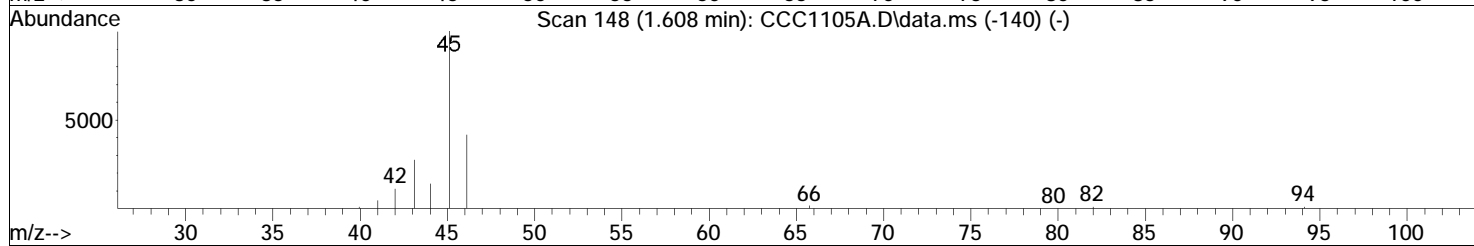
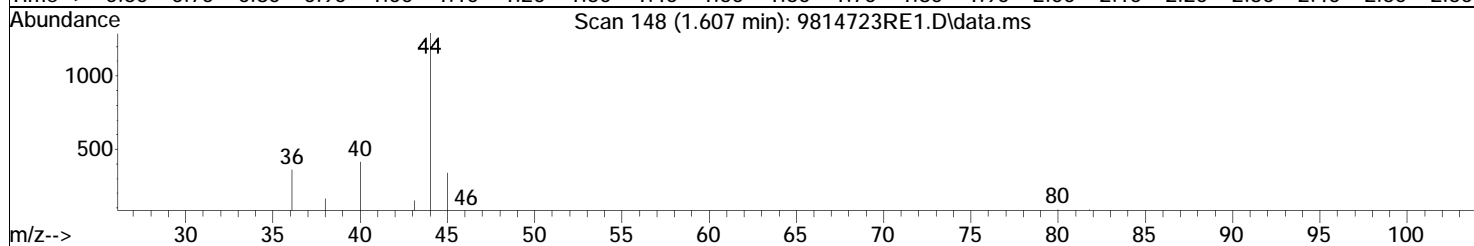
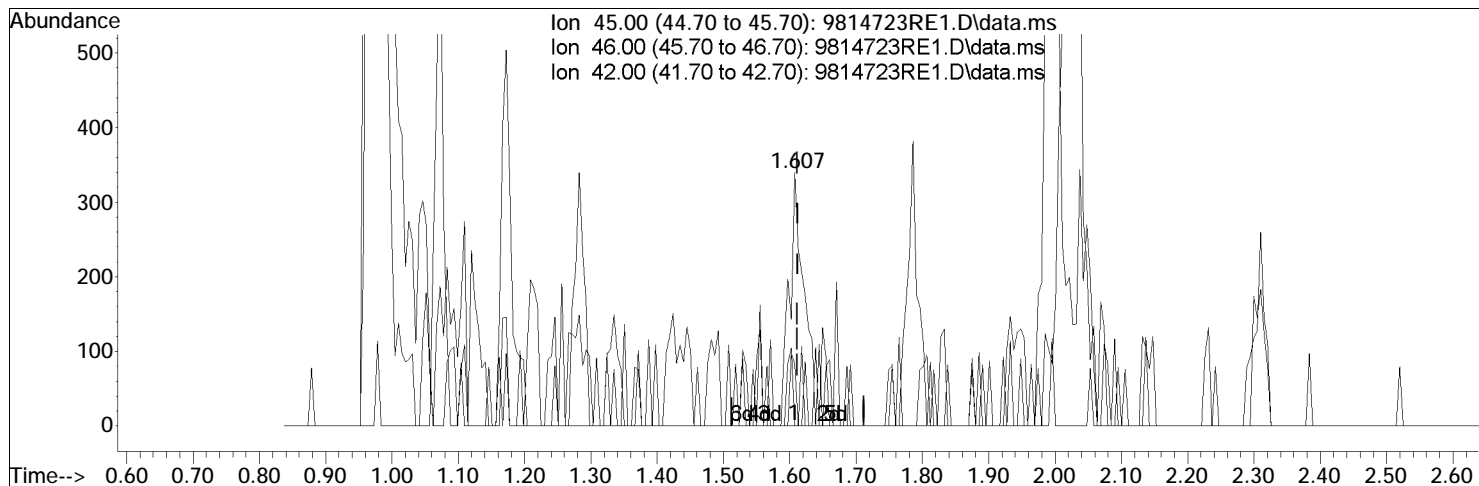
response 72057

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 38.45# |
| 42.00 | 0.00 | 11.24# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020\
 Data File : 9814723RE1.D
 Acq On : 20 Oct 2014 4:24 pm
 Operator : JEG
 Sample : SB98147-23RE1 @ BB-US-SEDV-01 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 21 11:59:28 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814723RE1.D\data.ms

(7) Ethanol (C)

1.607min (-0.006) 25.15 ug/L

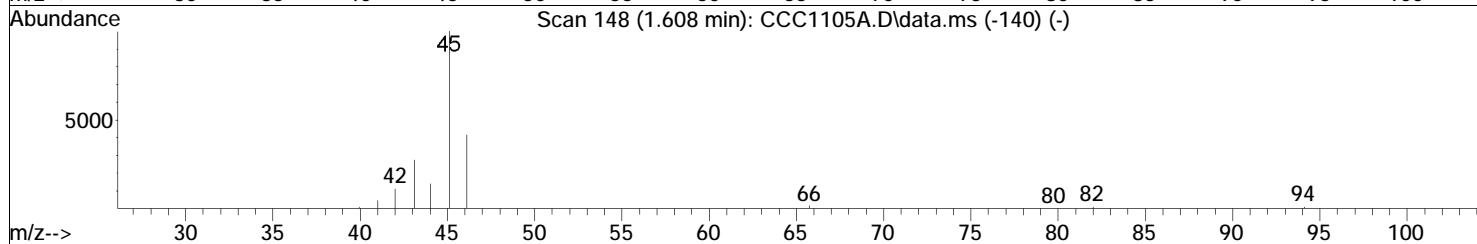
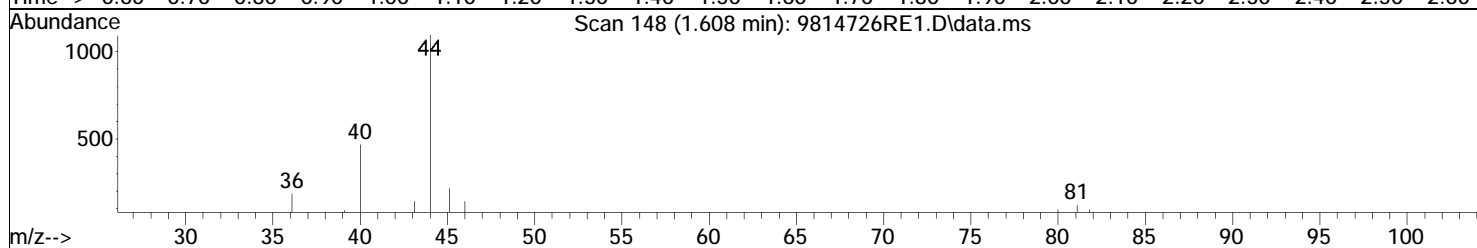
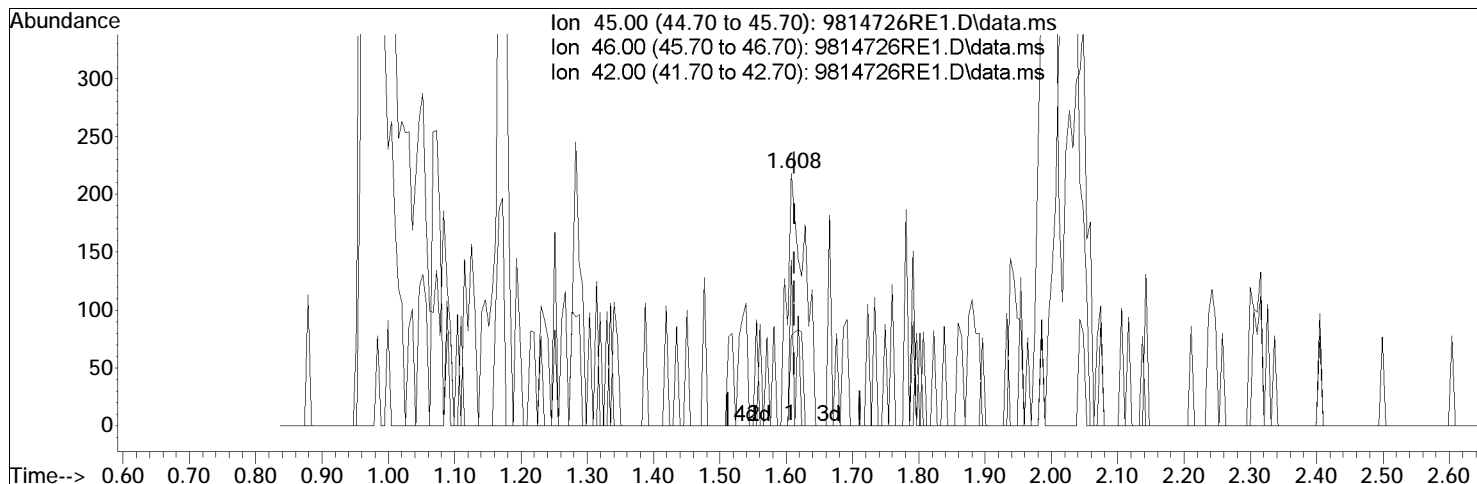
response 519

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 10.98# |
| 42.00 | 0.00 | 11.37# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020\
 Data File : 9814726RE1.D
 Acq On : 20 Oct 2014 4:55 pm
 Operator : JEG
 Sample : SB98147-26RE1 @ BB-US-SEDV-02 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 21 11:59:48 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814726RE1.D\data.ms

(7) Ethanol (C)

1.608min (-0.005) **20.07 ug/L m**

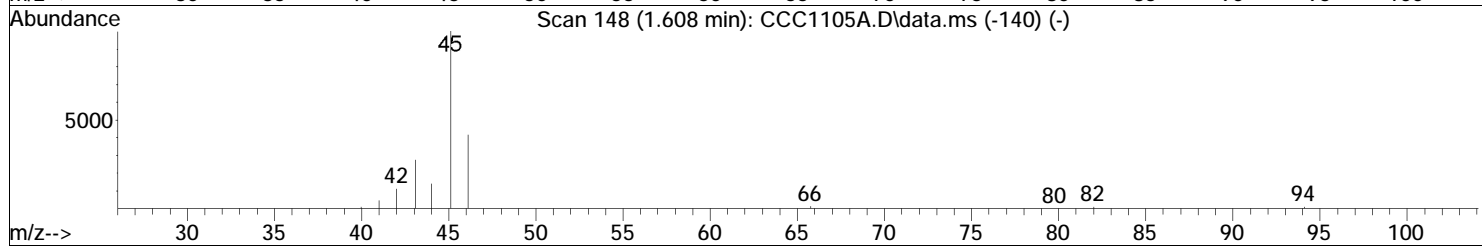
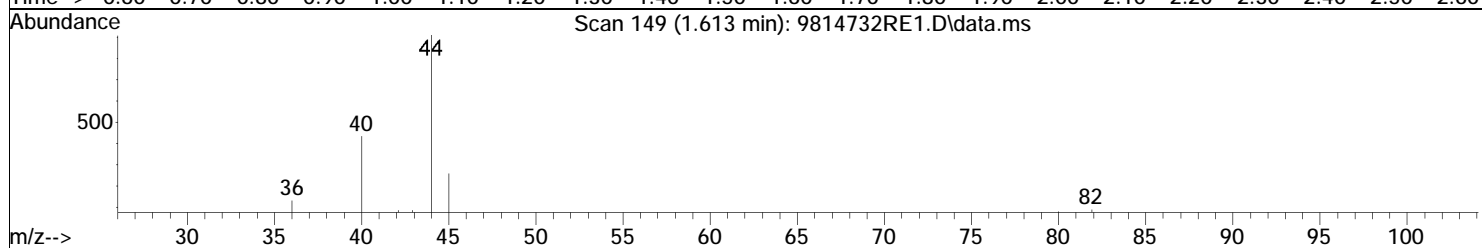
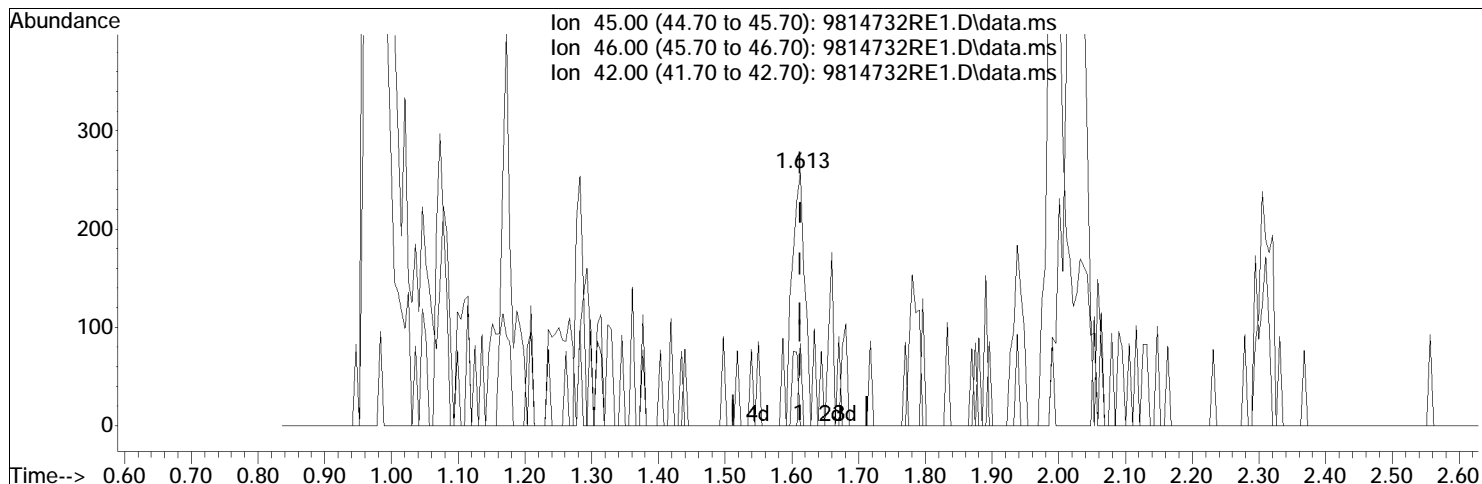
response 397

| Ion | Exp% | Act% |
|-------|------|------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 42.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020\
 Data File : 9814732RE1.D
 Acq On : 20 Oct 2014 5:56 pm
 Operator : JEG
 Sample : SB98147-32RE1 @ BB-US-SEDV-04 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 21 12:00:12 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814732RE1.D\data.ms

(7) Ethanol (C)

1.613min (-0.000) 18.37 ug/L m

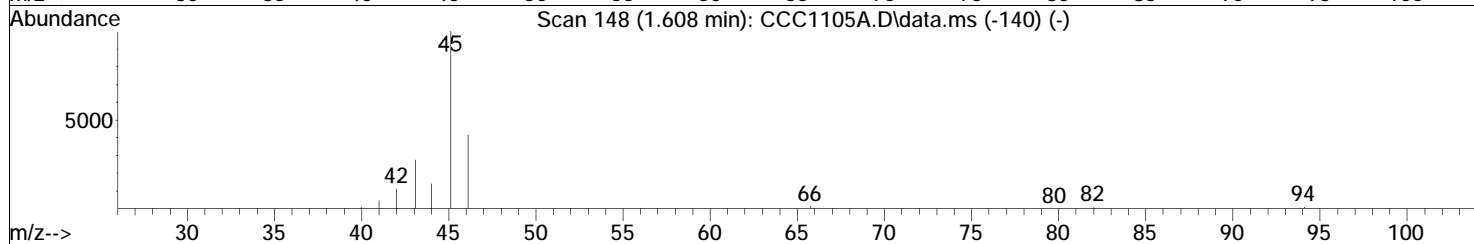
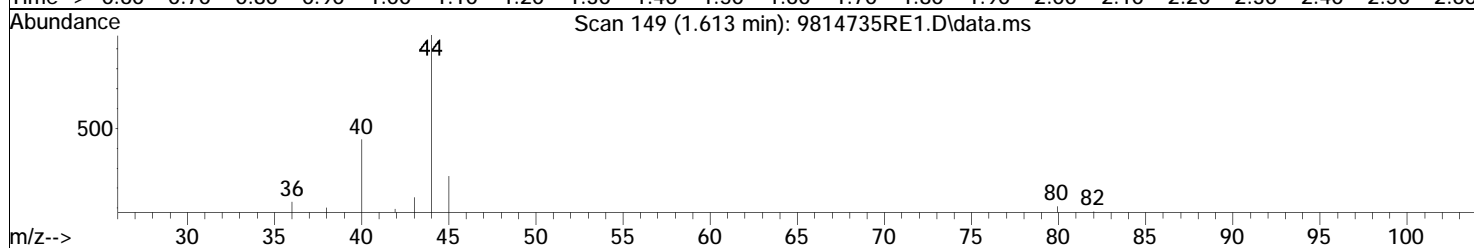
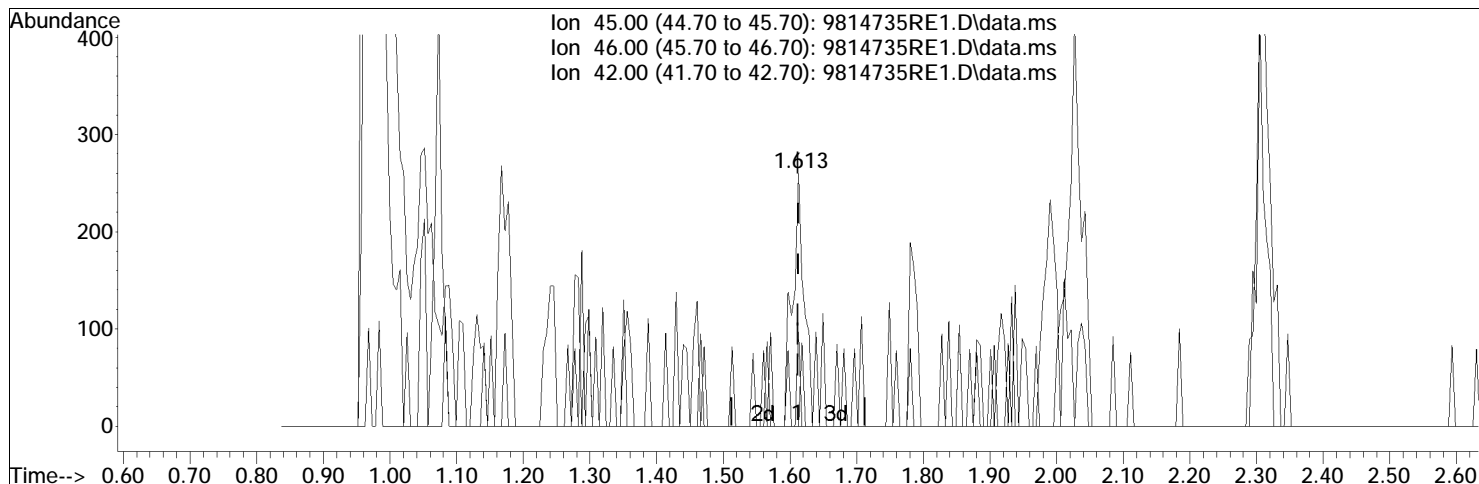
response 333

| Ion | Exp% | Act% |
|-------|------|------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 42.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020\
 Data File : 9814735RE1.D
 Acq On : 20 Oct 2014 6:26 pm
 Operator : JEG
 Sample : SB98147-35RE1 @ BB-US-SEDV-05 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 21 12:00:26 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814735RE1.D\data.ms

(7) Ethanol (C)

1.613min (-0.000) 16.78 ug/L m

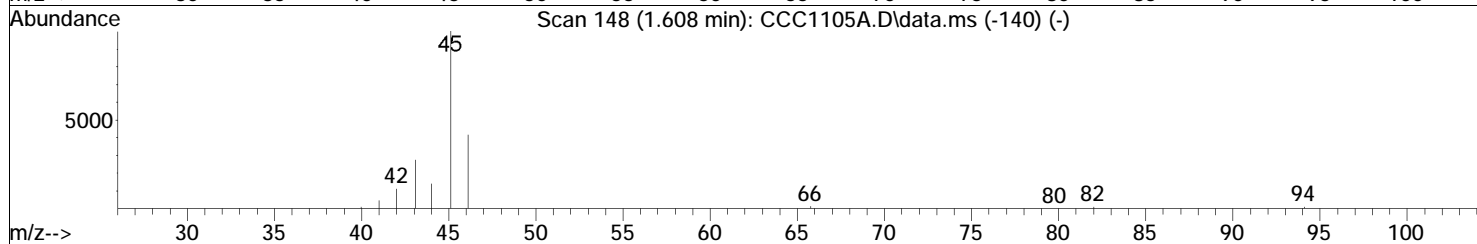
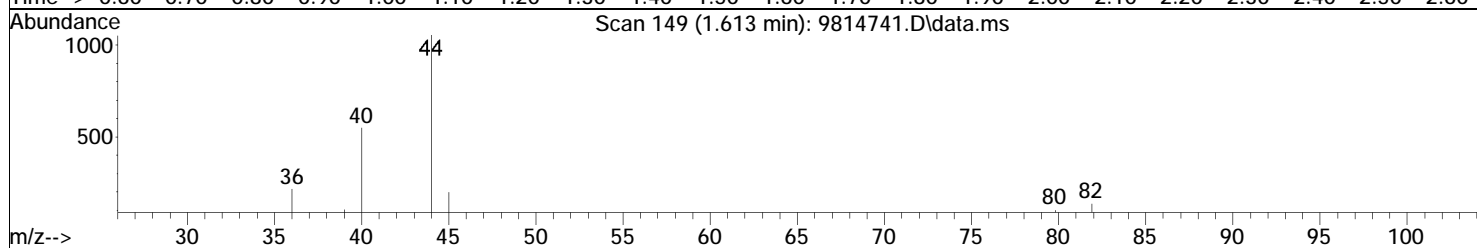
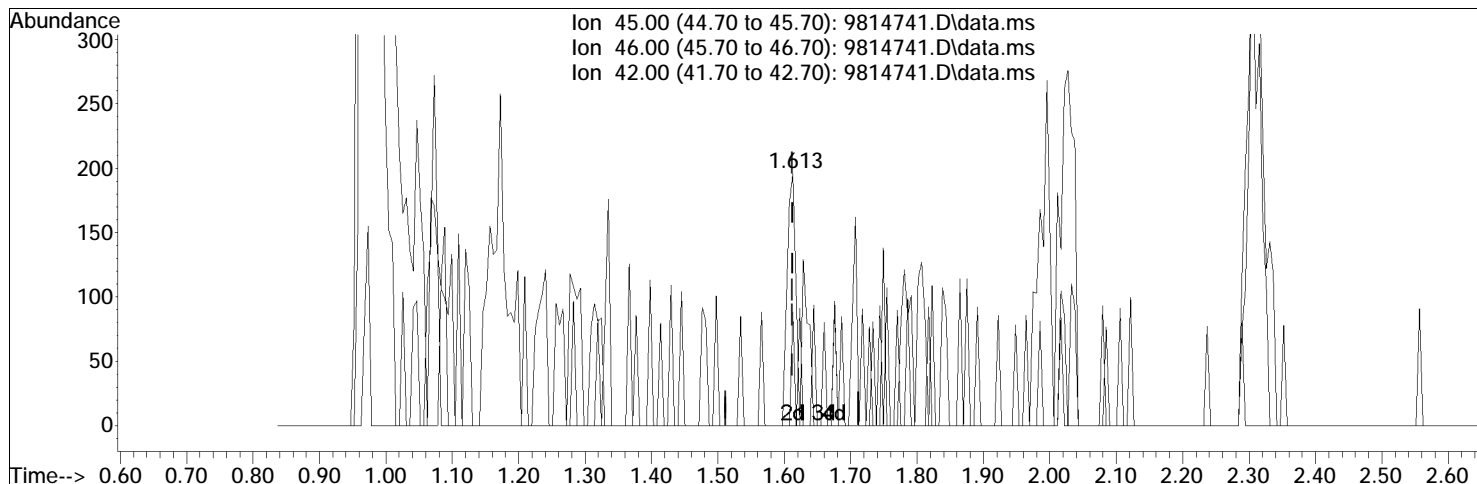
response 318

| Ion | Exp% | Act% |
|-------|------|------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 42.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020b\
 Data File : 9814741.D
 Acq On : 21 Oct 2014 12:03 am
 Operator : JEG
 Sample : SB98147-41 @ BB-US-SEDV-07 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 21 12:03:04 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814741.D\data.ms

(7) Ethanol (C)

1.613min (-0.000) 14.12 ug/L m

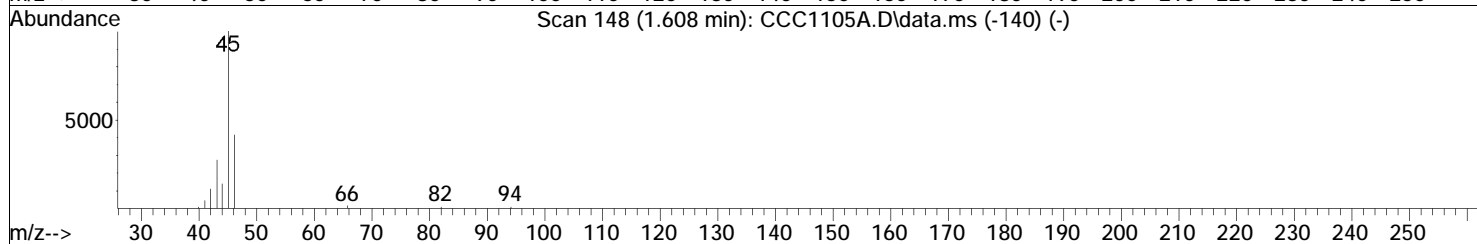
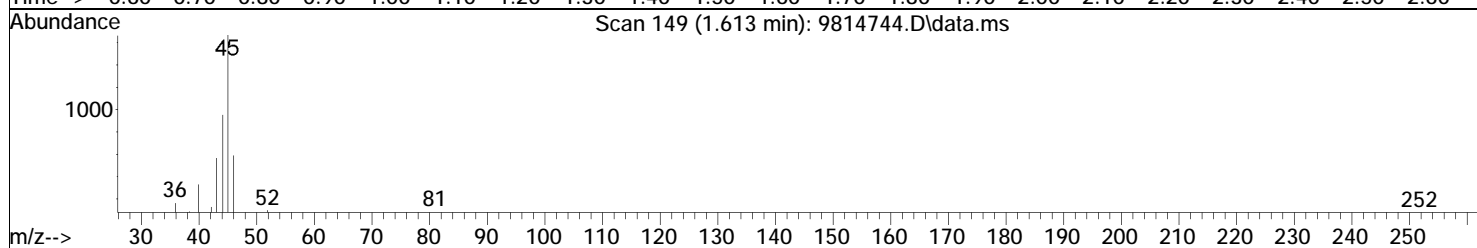
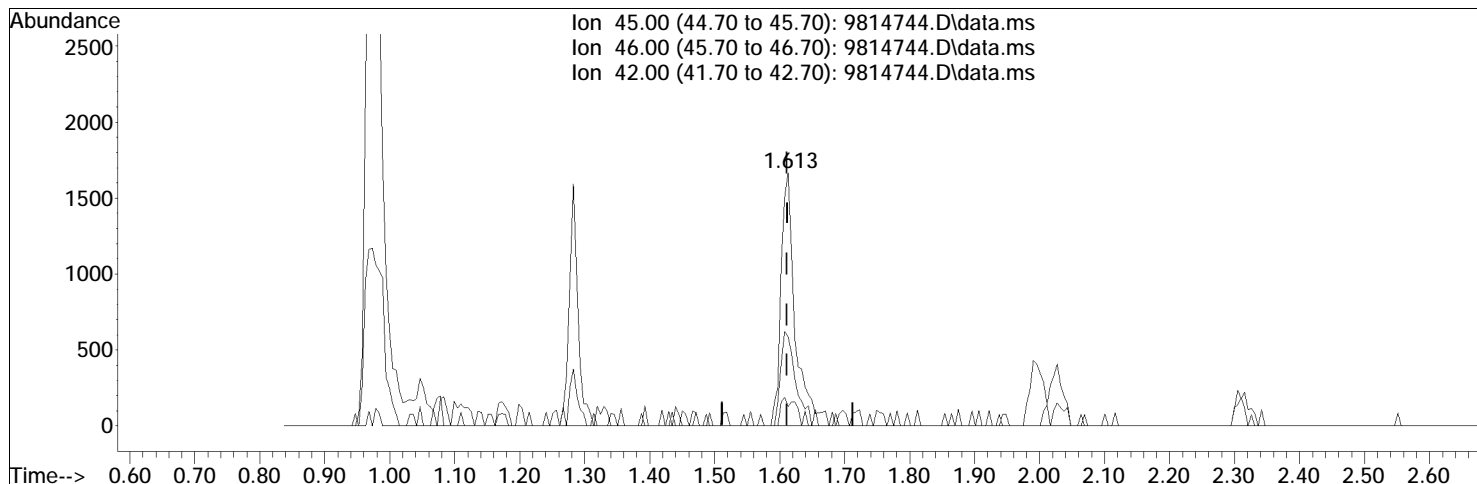
response 265

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 21.13# |
| 42.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020b\
 Data File : 9814744.D
 Acq On : 21 Oct 2014 12:34 am
 Operator : JEG
 Sample : SB98147-44 @ BB-US-SEDV-08 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 21 12:03:16 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814744.D\data.ms

(7) Ethanol (C)

1.613min (-0.000) 144.81 ug/L

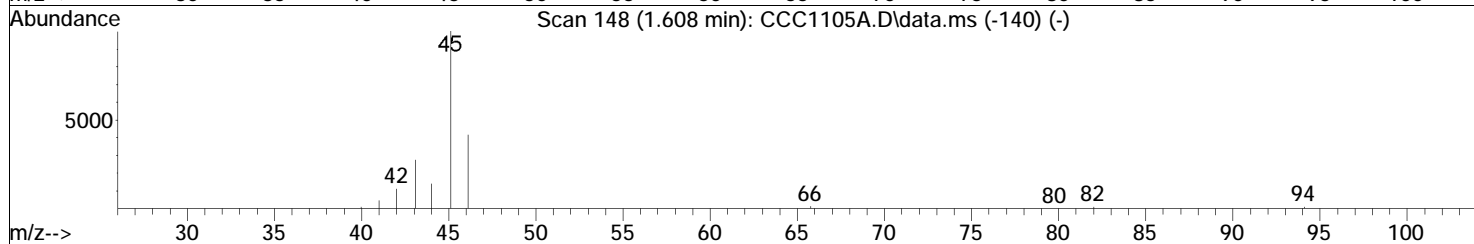
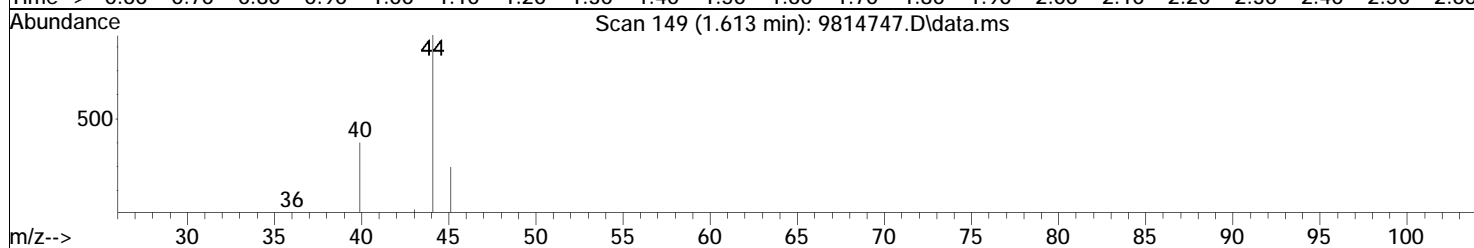
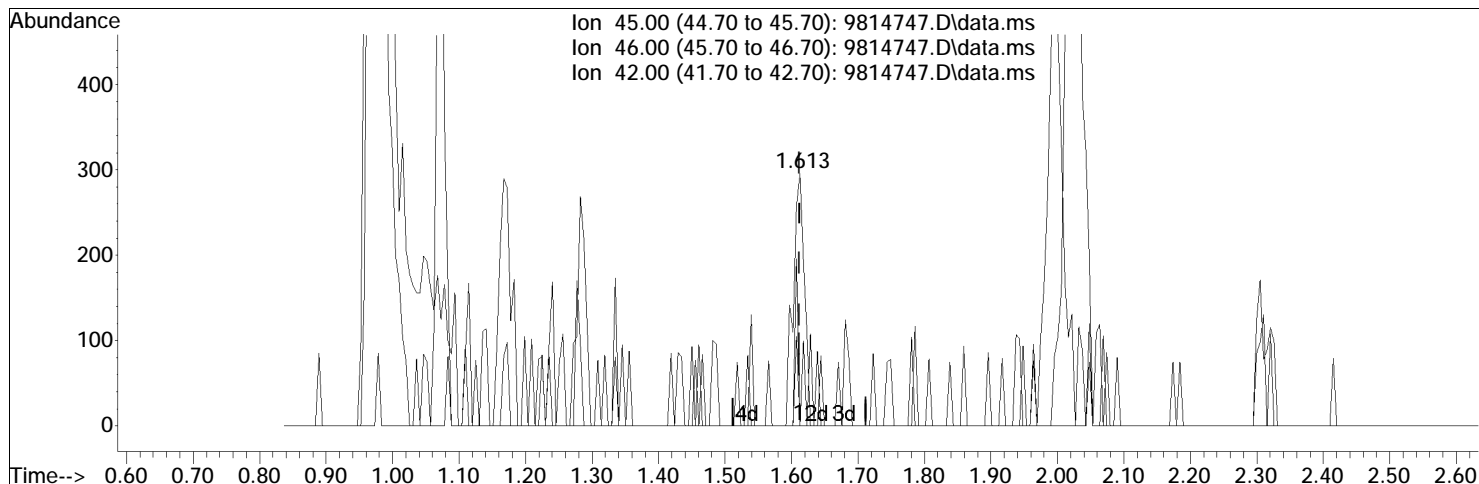
response 2558

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 40.50# |
| 42.00 | 0.00 | 12.39# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020b\
 Data File : 9814747.D
 Acq On : 21 Oct 2014 1:05 am
 Operator : JEG
 Sample : SB98147-47 @ NR-DS-SEDV-06 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 21 12:03:32 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814747.D\data.ms

(7) Ethanol (C)

1.613min (-0.000) 19.64 ug/L

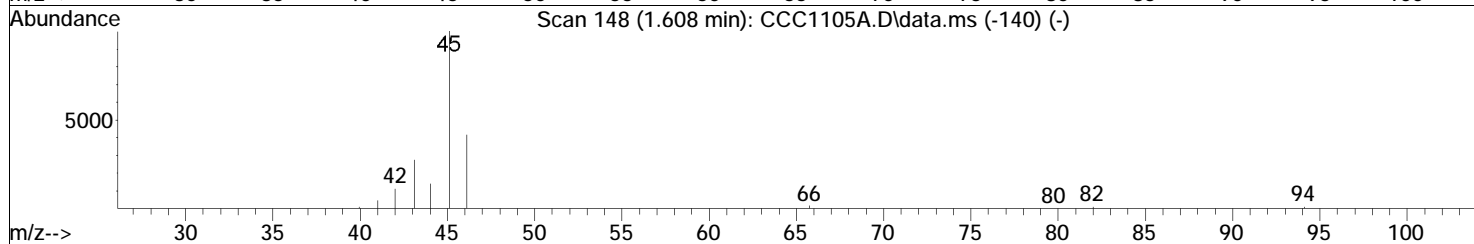
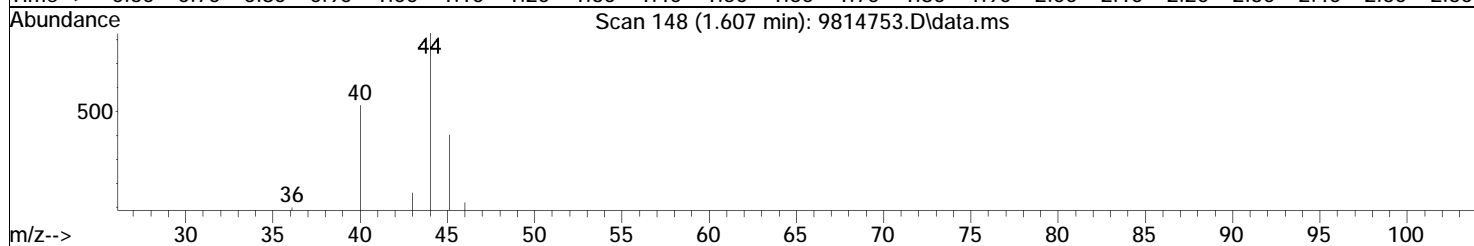
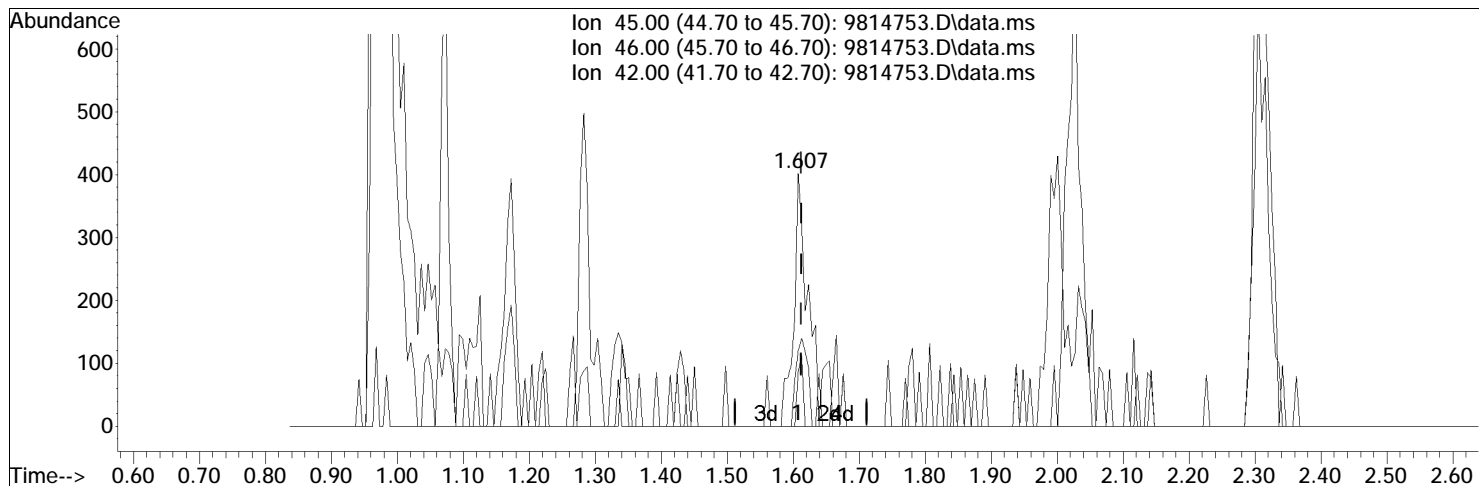
response 349

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 36.39# |
| 42.00 | 0.00 | 9.46# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020b\
 Data File : 9814753.D
 Acq On : 21 Oct 2014 2:06 am
 Operator : JEG
 Sample : SB98147-53 @ NR-DS-SEDV-08 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Oct 21 12:03:56 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814753.D\data.ms

(7) Ethanol (C)

1.607min (-0.006) 33.45 ug/L

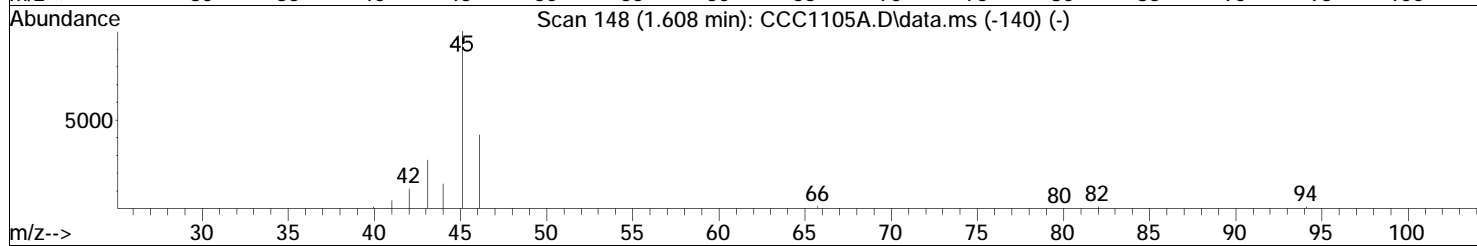
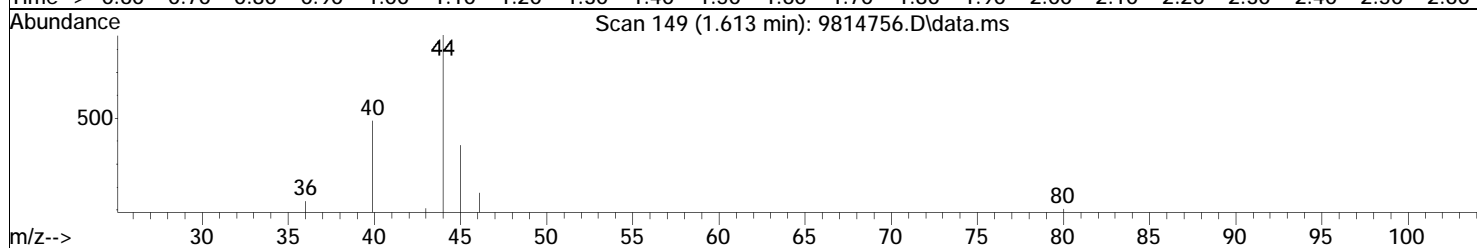
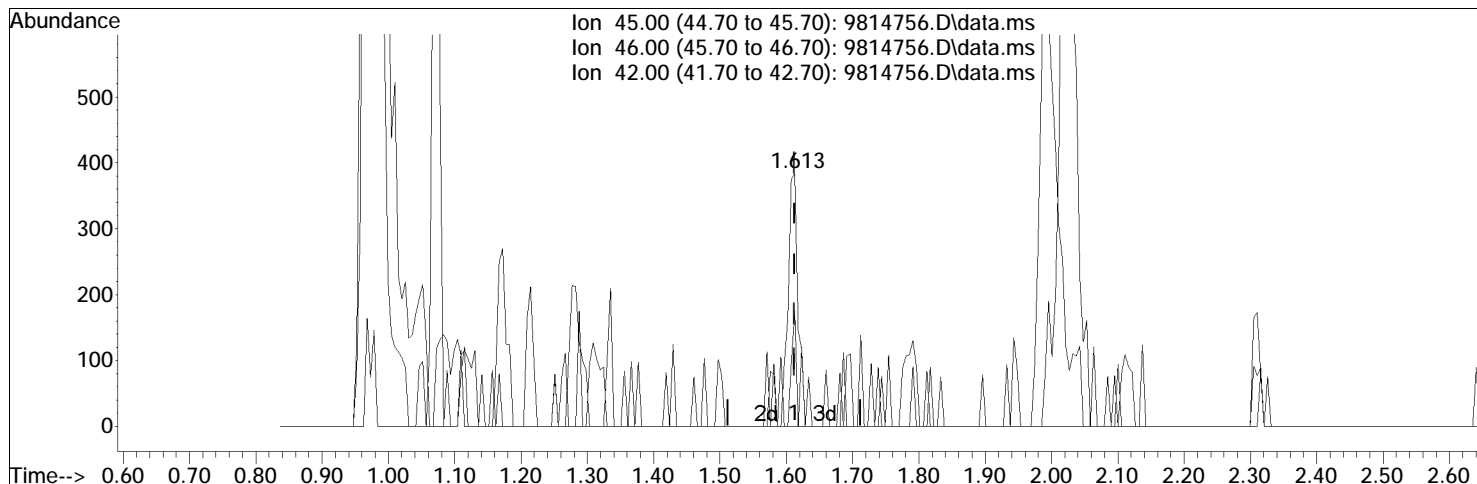
response 584

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 29.45# |
| 42.00 | 0.00 | 10.62# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1021\
 Data File : 9814756.D
 Acq On : 21 Oct 2014 12:23 pm
 Operator : JEG
 Sample : SB98147-56 @ NR-US-SEDV-01 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 13:00:00 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Tue Oct 21 13:37:26 2014
 Response via : Initial Calibration



TIC: 9814756.D\data.ms

(7) Ethanol (C)

1.613min (-0.000) 25.83 ug/L

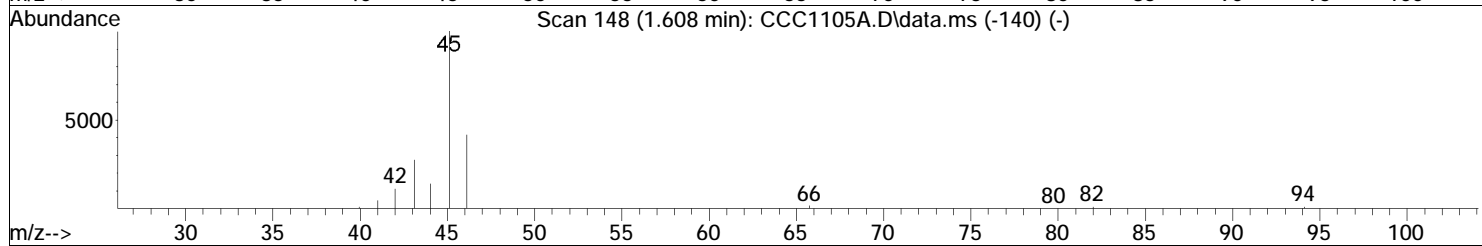
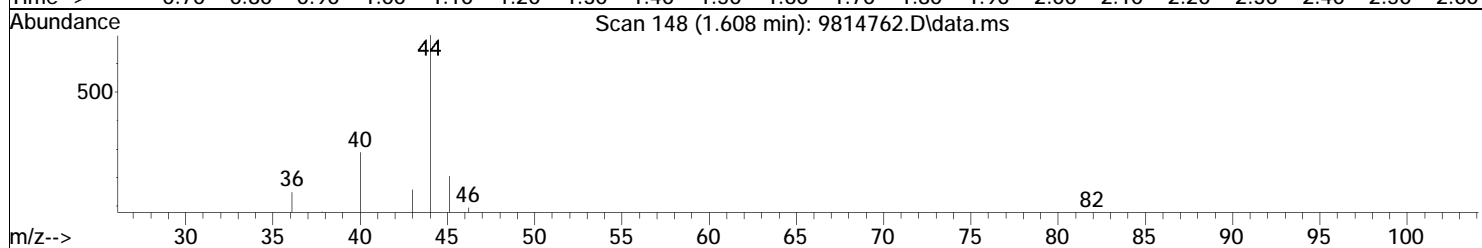
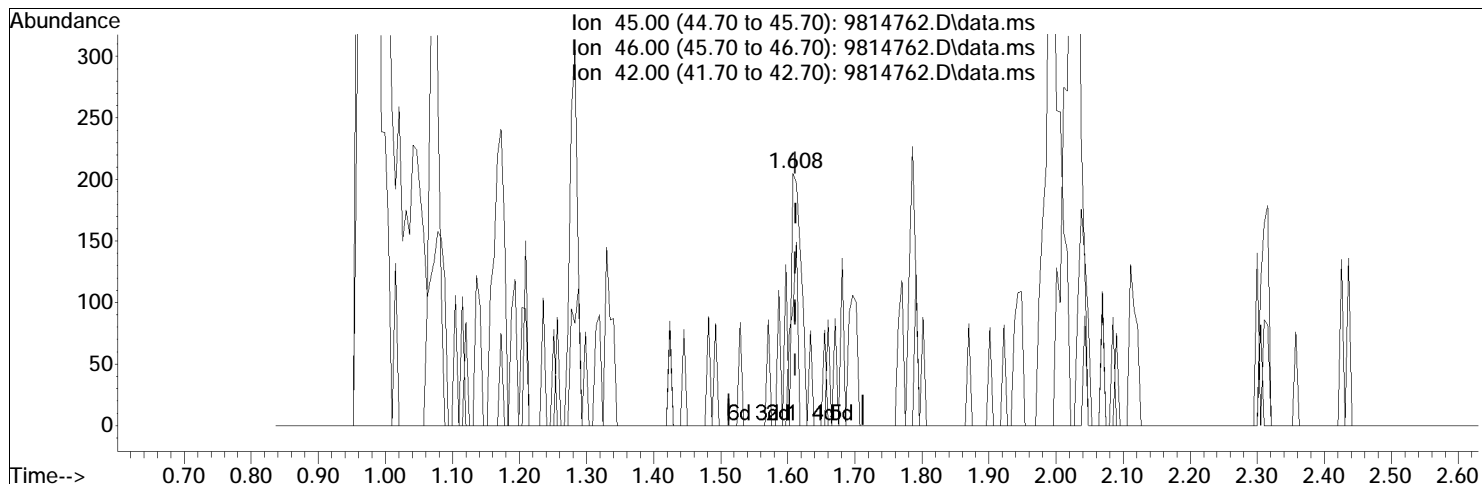
response 426

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 28.87# |
| 42.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1021\
 Data File : 9814762.D
 Acq On : 21 Oct 2014 12:54 pm
 Operator : JEG
 Sample : SB98147-62 @ NR-US-SEDV-03 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 22 13:00:22 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Tue Oct 21 13:37:26 2014
 Response via : Initial Calibration



TIC: 9814762.D\data.ms

(7) Ethanol (C)

1.608min (-0.005) 12.28 ug/L m

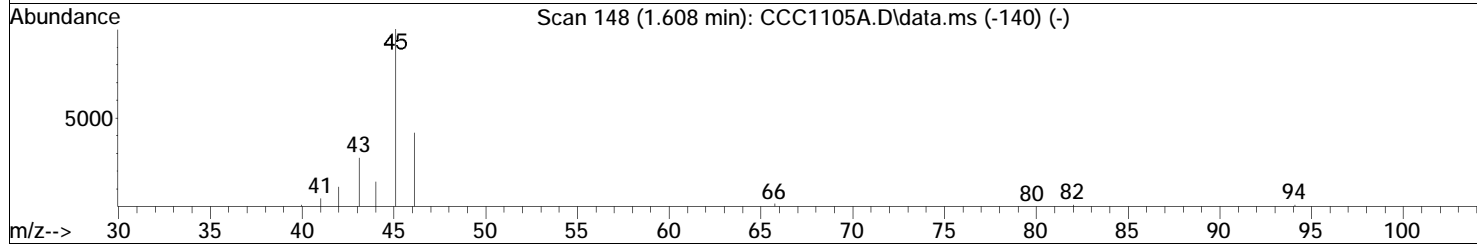
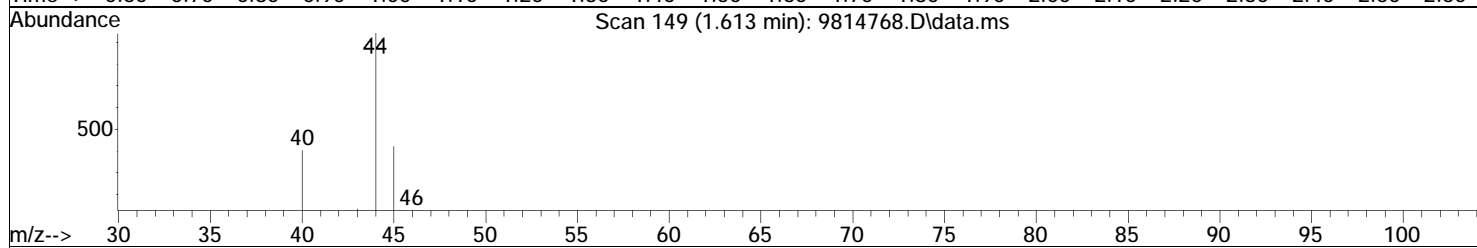
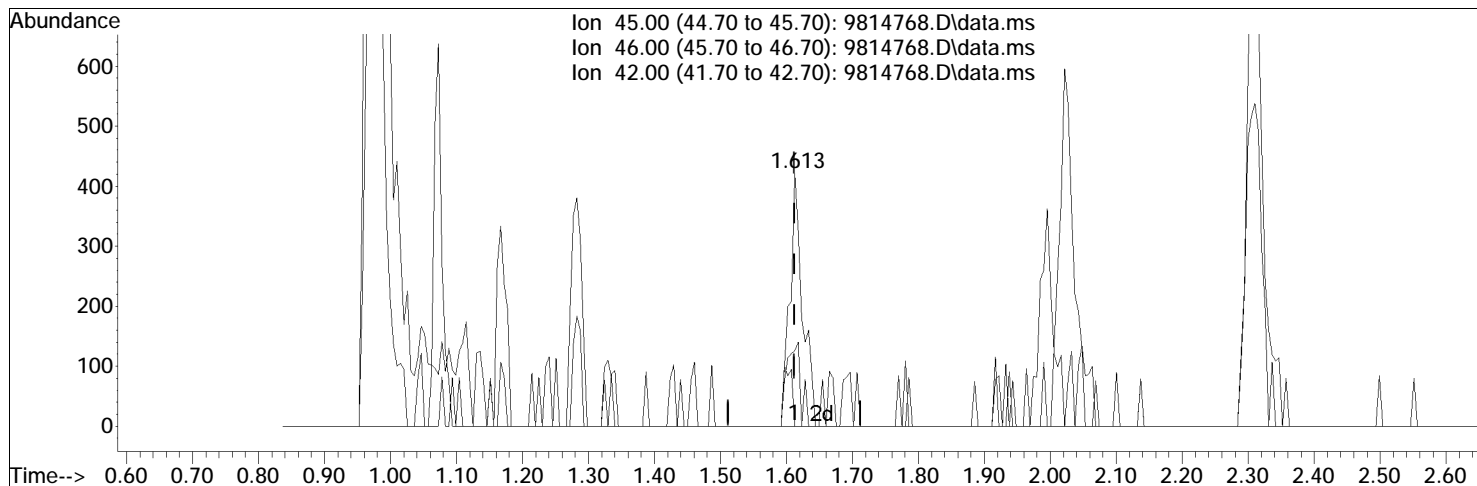
response 202

| Ion | Exp% | Act% |
|-------|------|------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 42.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020b\
 Data File : 9814768.D
 Acq On : 21 Oct 2014 4:40 am
 Operator : JEG
 Sample : SB98147-68 @ NR-US-SEDV-05 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Oct 21 12:05:02 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814768.D\data.ms

(7) Ethanol (C)

1.613min (-0.000) 33.83 ug/L

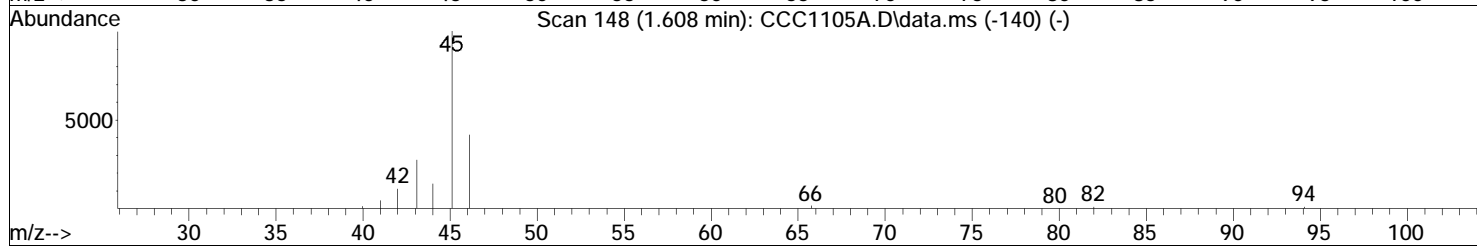
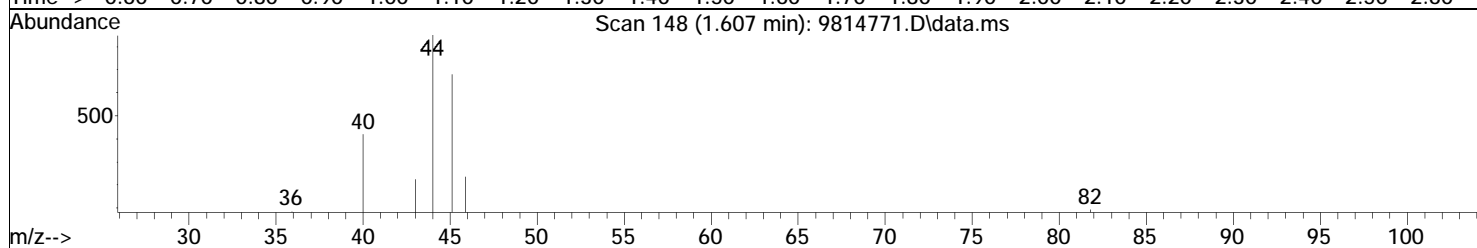
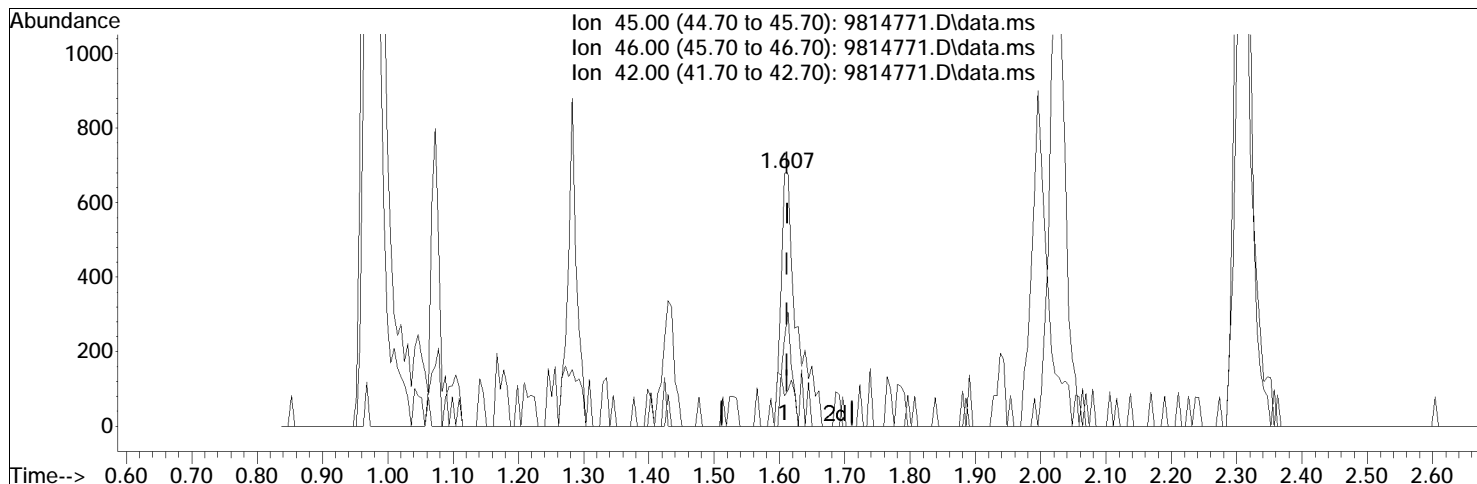
response 570

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 36.14# |
| 42.00 | 0.00 | 15.44# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1020b\
 Data File : 9814771.D
 Acq On : 21 Oct 2014 5:11 am
 Operator : JEG
 Sample : SB98147-71 @ NR-US-SEDV-06 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 43 Sample Multiplier: 1

Quant Time: Oct 21 12:05:14 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Thu Oct 16 08:19:54 2014
 Response via : Initial Calibration



TIC: 9814771.D\data.ms

(7) Ethanol (C)

1.607min (-0.006) 67.29 ug/L

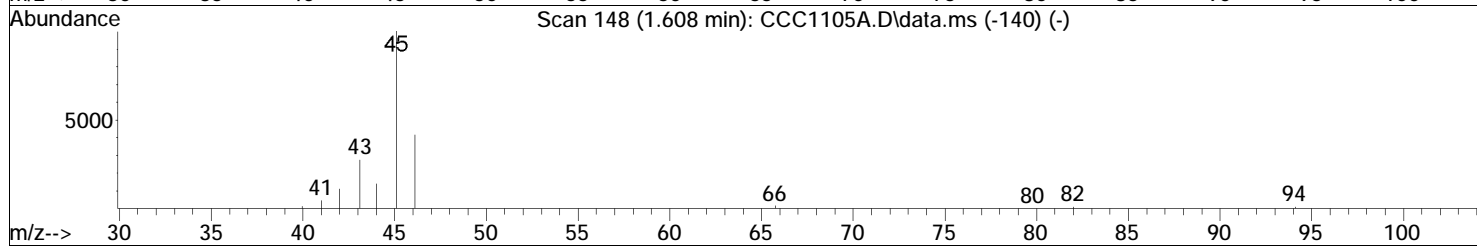
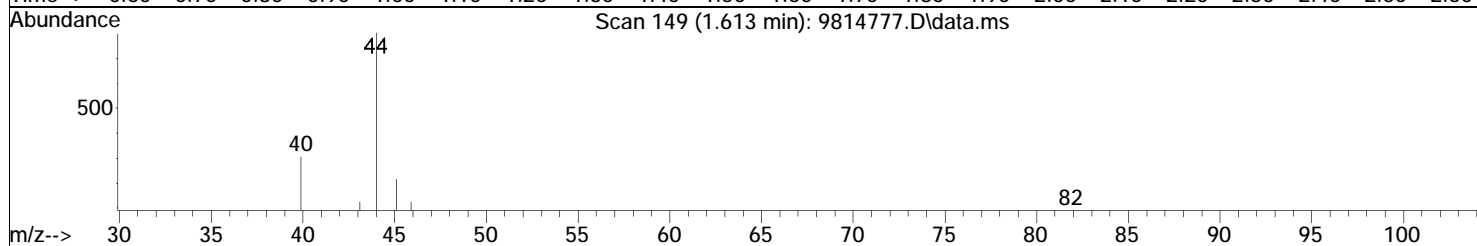
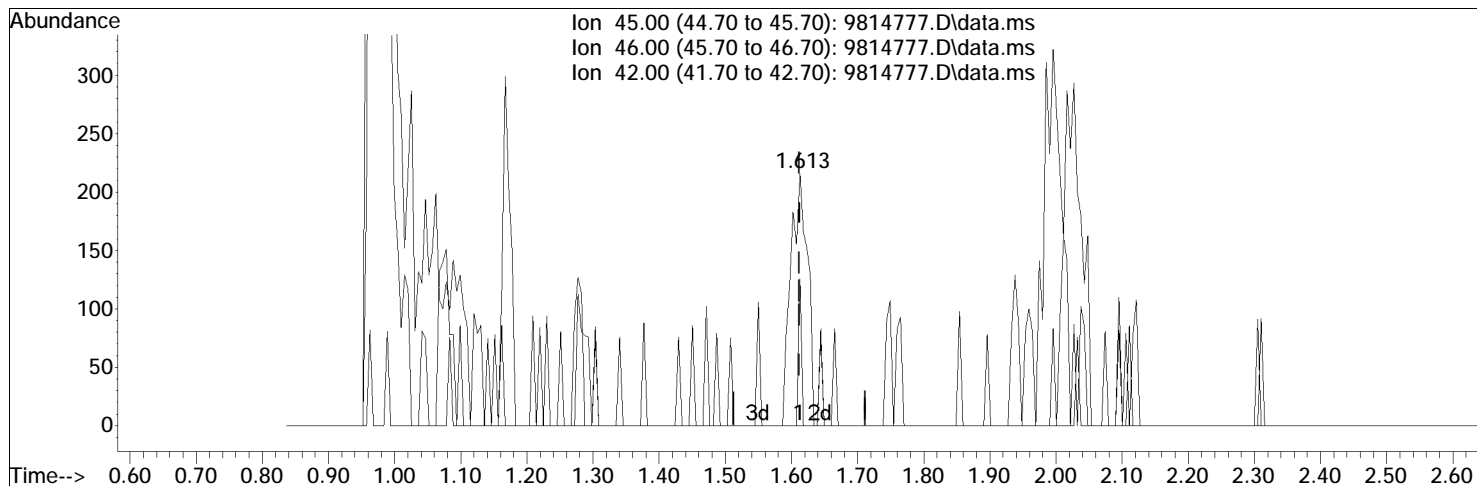
response 1155

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 29.35# |
| 42.00 | 0.00 | 14.29# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : O:\Oct2014\VOC\HPV9\1021\
 Data File : 9814777.D
 Acq On : 21 Oct 2014 1:24 pm
 Operator : JEG
 Sample : SB98147-77 @ NR-US-SEDV-08 1:1 8260CAMNH Inst : HPV9
 Misc : 1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 22 13:00:34 2014
 Quant Method : G:\HPMETHODS\HP9\S9101514.M
 Quant Title :
 QLast Update : Tue Oct 21 13:37:26 2014
 Response via : Initial Calibration



TIC: 9814777.D\data.ms

(7) Ethanol (C)

1.613min (-0.000) 22.12 ug/L

response 377

| Ion | Exp% | Act% |
|-------|------|--------|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 10.61# |
| 42.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |